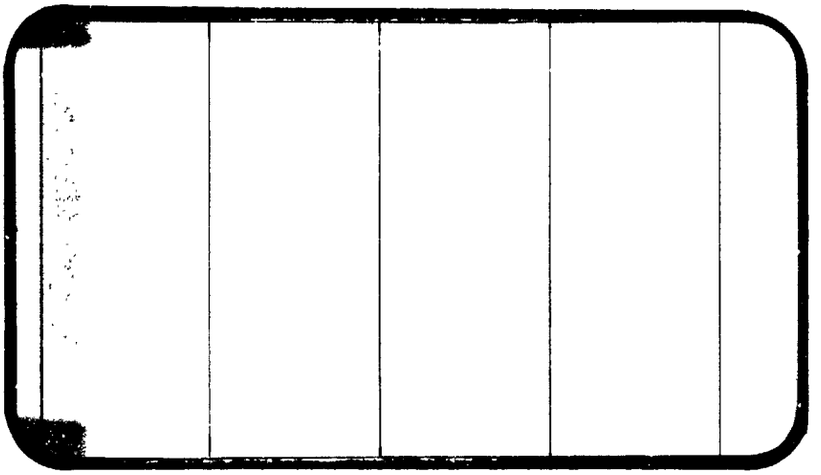
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(NASA-CR-134098) AERODYNAMIC INVESTIGATIONS INTO VARIOUS LOW SPEED L/D IMPROVEMENT DEVICES ON THE 140A/B SPACE SHUTTLE ORBITER CONFIGURATION IN (Chrysler Corp.) 692 P HC $37.75 CSCL 22B

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# SPACE SHUTTLE

# AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

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# AERODYNAMIC INVESTIGATIONS INTO VARIOUS LOW SPEED L/D IMPROVEMENT DEVICES ON THE 140A/B SPACE SHUTTLE ORBITER CONFIGURATION IN THE ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL (0A86)

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Prepared under NASA Contract Number NAS9-13247

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Test Number: NAAL 716
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Test Dates: 26 October through 9 November 1973

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# AERODYNAMIC INVESTIGATIONS INTO VARIOUS LOW SPEED L/D IMPROVEMENT DEVICES ON THE 140A/B SPACE SHUTTLE ORBITER CONFIGURATION IN THE ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL (OA86)

By R. C. Mennell, Rockwell International Space Division

## ABSTRACT

Experimental aerodynamic investigations were conducted on a dual strut mounted 0.0405-scale representation of the 140A/B Space Shuttle Orbiter in the Rockwell International 7.75- by 11.00-Foot Low Speed Wind Tunnel during the time period from October 26, 1973 to November 9, 1973. The NASA designation for this test period was OA86.

The primary test objectives were to investigate various base drag reduction techniques in an attempt to improve Orbiter lift-to-drag ratios and to calculate sting interference effects on the Orbiter aerodynamic characteristics.

The base drag reduction studies utilized the following components and techniques in an attempt to reduce the the high negative pressure region existing behind the Orbiter base (see table III Dimensional Data): 1) Four configurations of sawteeth attached to the model base sidewalls, both parallel to freestream and deflected to various angles, 2) Flow turning vanes attached to the model base at various deflection angles, 3) Two configurations of base flaps attached to the model base sidewalls, both parallel to freestream and deflected to various angles, 4) Two

configurations of afterbody fairings to reduce drag producing base area, 5) Freestream ram air diverted to the base region through access passages in the aft fuselage sidewalls, both with and without air scoops, 6) Nitrogen supplied to a model plenum and exhausted to the base region through four 1.5-inch diameter exits at weight flows of 0.05, 0.10, and 0.20 lbm/sec, and 7) Nitrogen supplied to two porous plates mounted in the fuselage aft sidewalls and exhausted to the base region boundary layer at weight flows of 0.02, 0.05, 0.10, and 0.20 lbm/sec.

Sting interference effects were investigated by installing a dummy sting support system behind the strut mounted model and pitching the dummy sting in unison with the strut support.

In addition to the aforementioned L/D improvement studies, Orbiter stability and control characteristics were investigated at elevon deflections of 0°, 5°, 10°, and 15°; aileron deflections of 0° and ±10° (about 0° elevon); rudder deflections of 0°, and -7.96°; speedbrake angles of 0°, 25°, 40°, 55°, and 85°; and body flap deflections of 0°, -11.7° and 16.3°.

Aerodynamic force and moment data were measured in the stability axis system by the NAAL external planar balance. The model was dual strut mounted with the strut supports attaching to the model wing tips enabling the center of rotation to be located at the main landing gear axle. The nominal angle of attack range was $-4° \leq \alpha \leq 30°$. Yaw polars were recorded over the sideslip angle range of $-10° \leq \beta \leq 10°$ at fixed angles of attack of 0°, 5°, 10°, and 15°.

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PLOT SCHEDULE

(A) CL, CN, CAB, CAF, CDF, and CLM vs. ALPHA, CL vs. CLM and CDF, XCP/L and LF/DF vs. ALPHA

(B) CY, CYN, and CBL vs. BETA

(C) CY, CYN, and CBL vs. ALPHA

## NOMENCLATURE
General

| SYMBOL | SADSAC SYMBOL | DEFINITION |
|---|---|---|
| $a$ | | speed of sound; m/sec, ft/sec |
| $C_p$ | CP | pressure coefficient; $(p_l - p_s)/q$ |
| M | MACH | Mach number; V/a |
| p | | pressure; N/m$^2$, psf |
| q | Q(NSM)<br>Q(PSF) | dynamic pressure; $1/2\ \rho V^2$, N/m$^2$, psf |
| RN/L | RN/L | unit Reynolds number; per m, per ft |
| V | | velocity; m/sec, ft/sec |
| $\alpha$ | ALPHA | angle of attack, degrees |
| $\beta$ | BETA | angle of sideslip, degrees |
| $\psi$ | PSI | angle of yaw, degrees |
| $\phi$ | PHI | angle of roll, degrees |
| $\rho$ | | mass density; kg/m$^3$, slug/ft$^3$ |
| | | Reference & C.G. Definitions |
| $A_b$ | | base area; m$^2$, ft$^2$ |
| b | BREF | wing span or reference span; m, ft |
| c.g. | | center of gravity |
| $\bar{c}$ | LREF | wing mean aerodynamic chord; m, ft. |
| $L_S$ | L | reference body length, in |
| S | SREF | wing area or reference area; m$^2$, ft$^2$ |
| | MRP | moment reference point |
| $X_{MRP}$ | XMRP | moment reference point on X axis |
| | YMRP | moment reference point on Y axis |
| $Z_{MRP}$ | ZMRP | moment reference point on Z axis |

SUBSCRIPTS

| | |
|---|---|
| b | base |
| l | local |
| s | static conditions |
| t | total conditions |
| $\infty$ | free stream |

NOMENCLATURE (Continued)

Body-Axis System

| SYMBOL | SADSAC SYMBOL | DEFINITION |
|---|---|---|
| $C_N$ | CN | normal-force coefficient; $\frac{\text{normal force}}{qS}$ |
| $C_A$ | CA | axial-force coefficient; $\frac{\text{axial force}}{qS}$ |
| $C_Y$ | CY | side-force coefficient; $\frac{\text{side force}}{qS}$ |
| $C_{A_b}$ | CAB | base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$ |
| $C_{A_f}$ | CAF | forebody axial force coefficient. $C_A - C_{A_b}$ |
| $C_m$ | CLM | pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$ |
| $C_n$ | CYN | yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ |
| $C_\ell$ | CBL | rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$ |
| | | Stability-Axis System |
| $C_L$ | CL | lift coefficient; $\frac{\text{lift}}{qS}$ |
| $C_D$ | CD | drag coefficient; $\frac{\text{drag}}{qS}$ |
| $C_{D_b}$ | CDB | base drag coefficient; $\frac{\text{base drag}}{qS}$ |
| $C_{D_f}$ | CDF | forebody drag coefficient; $C_D - C_{D_b}$ |
| $C_Y$ | CY | side-force coefficient; $\frac{\text{side force}}{qS}$ |
| $C_m$ | CLM | pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$ |
| $C_n$ | CLN | yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$ |
| $C_\ell$ | CSL | rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$ |
| L/D | L/D | lift-to-drag ratio; $C_L/C_D$ |

NOMENCLATURE (Continued)
Additions to Standard List

| SYMBOL | SADSAC SYMBOL | DEFINITION |
|---|---|---|
| $A_{B_i}$ | | base area at $i^{th}$ station, i = 1, 2,...11, $ft^2$ |
| $C_{A_B}$ | CAB | base axial-force coefficient |
| $C_{A_N}$ | | axial-force coefficient tare for nitrogen ram air effects |
| $CA_S$ | | axial-force coefficient tare for strut interference effects |
| $CA_T$ | | axial-force coefficient weight tare |
| $P_{B_i}$ | | base pressure at $i^{th}$ station, i = 1, 2,...,11, psf |
| $P_o$ | | freestream static pressure, psf |
| $X_{cp}/\ell$ | XCP/L | longitudinal center of pressure location, fraction of body length, $XMRP_N/L_B$-(CLM/CN)($L_{REF}/L_B$) where $XMRP_N$ is distance from nose to moment reference point (33.9574 in), $L_{REF}$ = 19.246 in, and $L_B$ = 52.2570 in |
| $\delta_A$ | AILRON | aileron, total aileron deflection angle, degrees, (left aileron-right aileron)/2 |
| $\delta_E$ | ELEVON | elevon, surface deflection angle, positive deflection trailing edge down, degrees |
| $\delta_F$ | BDFLAP | flap, surface deflection angle, positive deflection trailing edge down, degrees |
| $\delta_R$ | RUDDER | rudder, surface deflection angle, positive deflection, trailing edge to the left, degrees |

NOMENCLATURE (Concluded)

| SYMBOL | SADSAC SYMBOL | DEFINITION |
|---|---|---|
| $\delta_{SB}$ | SPDBRK | speed brake deflection angle, degrees, (reference Figure 1b) |
| $w_n$ | N2FLOW | parameter name for nitrogen flow in lbm/sec through fuselage sidewalls and base regions as applicable |
| | LF/DF | forebody lift to drag ratio, CL/CDF |

## CONFIGURATIONS INVESTIGATED

The model used for this test period was an 0.0405-scale representation of the Rockwell International 140A/B Space Shuttle Orbiter Configuration. The basic model is of the blended wing-body design utilizing a double delta wing (75°/45° $\Lambda_{LE}$),full span elevons (unswept hingeline), a centerline vertical tail with rudder and/or speedbrake capability, a canopy, an Orbital Manuevering System (OMS), and a main rocket motor simulation. For sting interference studies the rocket motor simulation was removed from the model and a non-metric dummy sting was added to the proximity of the base.

For L/D improvement studies various configurations of afterbody fairings, flow turning vanes, freestream and nitrogen "ram air" exits were added to the Orbiter base region in an attempt to reduce high levels of subsonic base drag.

The Orbiter model was constructed either of wood and/or aluminum and was dual strut mounted on the NAAL external planar balance. Strut position was at B.P. ±16.218. The following nomenclature was used to designate the various model components:

| Component | Description |
|---|---|
| $B_{26}$ | 140A/B Baseline Fuselage |
| $B_{28 \rightarrow 51}$ | L/D improvement modifications to fuselage $B_{26}$ |
| $C_9$ | 140A/B Baseline Canopy |
| $E_{26}$ | Full Span Elevons used on wing $W_{116}$ |

| | |
|---|---|
| $F_8$ | Body flap used on fuselage $B_{26, 28 \cdot 50}$ |
| $M_7$ | 140A/B baseline OMS pods |
| $M_{10 \cdot 11}$ | L/D improvement modifications to OMS $M_7$ |
| $R_5$ | Rudder used on vertical tail $V_8$ |
| $V_8$ | 140A/B baseline vertical tail |
| $W_{116}$ | 140A/B Baseline Double Delta Wing (75°/45° $\Lambda_{LE}$) $S_W$ = 2690 $ft^2$ |
| $X_9$ | Transition grit located on model nose and all swept surfaces |

## TEST FACILITY DESCRIPTION

The North American Aerodynamics Laboratory (NAAL) 7.75 x 11-Foot Wind Tunnel is a continuous flow, closed circuit, single return type tunnel capable of speeds up to 200 miles per hour. The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide by 12 feet in length. Power is supplied by a 1250 horsepower nacelle mounted synchronous motor driving a 19 foot, seven blade, laminated birch propeller. The airspeed is controlled by varying the degree of coupling between the motor and propeller by means of a magnetic clutch. A damping screen and honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1) minimizes turbulence in the test section. The NAAL Wind Tunnel has been in operation since June 1943 and calibrations are available over a wide range of test conditions.

Tests may be conducted using a variety of mounting systems, e.g.; a single strut, double strut, sting strut, reflection plane, cable suspension, and two dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting mounted internal balances. An Astrodata Automatic Data Acquisition System is used to collect, multiplex, digitize, and record 50 channels of force and/or pressure data on magnetic tape. This data is then rapidly reduced and plotted using automatic data processing equipment and an automatic digital plotter.

## DATA REDUCTION

The aerodynamic force and moment data presented were measured by the NAAL external planar balance. The data have been corrected for model base and balance chamber effects, model blockage influence on tunnel dynamic pressure, wall interference effects, sting and balance deflections, model weight, model support strut interference, and nitrogen ram air thrust effects.

The corrections made to axial force were accomplished in the following manner:

$$C_{A_F} = C_A - C_{A_B} - C_{A_N} - C_{A_S} - C_{A_T}$$

where

$$C_{A_B} = -\Sigma\left(\frac{P_{B_i} - P_o}{q}\right)\left(\frac{A_{B_i}}{S_w}\right), \quad i = 1 \rightarrow 11$$

$C_{A_N}$ = axial-force coefficient nitrogen ram air tare

$C_{A_S}$ = axial-force coefficient strut interference tare

$C_{A_T}$ = axial-force coefficient model weight tare

The following reference dimensions were used for reducing all aerodynamic data to coefficient form:

| Symbol | Definition | Value |
|---|---|---|
| $A_{B_1}$ | Area of influence base pressure #1, $ft^2$ | 0.02813 |
| $A_{B_2}$ | Area of influence base pressure #2, $ft^2$ | 0.06614 |
| $A_{B_3}$ | Area of influence base pressure #3, $ft^2$ | 0.08211 |
| $A_{B_4}$ | Area of influence base pressure #4, $ft^2$ | 0.06361 |

| | | |
|---|---|---|
| $A_{B_5}$ | Area of influence base pressure #5, $ft^2$ | 0.05157 |
| $A_{B_6}$ | Area of influence base pressure #6, $ft^2$ | 0.03435 |
| $A_{B_7}$ | Area of influence base pressure #7, $ft^2$ | 0.04583 |
| $A_{B_8}$ | Area of influence base pressure #8, $ft^2$ | 0.04282 |
| $A_{B_9}$ | Area of influence base pressure #9, $ft^2$ | 0.06601 |
| $A_{B_{10}}$ | Area of influence base pressure #10, $ft^2$ | 0.07014 |
| $A_{B_{11}}$ | Area of influence base pressure #11, $ft^2$ | 0.14028 |
| $S_w$ | Area of wing, $ft^2$ | 4.4120 |
| XMRP | Center of gravity, fus. sta. | 43.5974 |
| ZMRP | Center of gravity, waterplane | 15.1875 |
| $L_B$ | Length Orbiter body, in | 52.2570 |
| $\bar{c}_w$(LREF) | Wing MAC, in | 19.2300 |
| $b_w$(BREF) | Wing span, in | 37.9360 |

TABLE I.

TEST : 0A86 NAAL 716 DATE : NOV. 1973

TEST CONDITIONS

| MACH NUMBER | REYNOLDS NUMBER (per unit length) | DYNAMIC PRESSURE | STAGNATION TEMPERATURE (degrees Fahrenheit) |
|---|---|---|---|
| 0.20 | $1.44 \times 10^6$/ft. | 60 lbs/ft$^2$ | 90 → 120°F |
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BALANCE UTILIZED: Task 2.5" MK IX

| | CAPACITY. | ACCURACY | COEFFICIENT TOLERANCE |
|---|---|---|---|
| NF | 1500 lbs | ±.25% | |
| SF | 750 lbs | ±.25% | |
| AF | 200 lbs | ±.25% | |
| PM | | | |
| RM | 4000 in-lb | ±.25% | |
| YM | | | |

COMMENTS

TABLE II.

TEST: OA2 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES $\delta_F$ | $\delta_a$ | $\delta_e$ | $\delta_R$ | $\delta_{SB}$ | NO. OF RUNS | MACH NUMBERS .21 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ROX001 | B50G9M4F8W11.6E26V3R5X9 | A | 0 | 11.7 | 0 | 0 | 0 | 25 | 1 | 1 | |
| 002 | | 0 | C | | | | | | | 2 | |
| 003 | | 5 | | | | | | | | 3 | |
| 004 | | 10 | | | | | | | | 4 | |
| 005 | | 15 | | | | | | | | 5 | |
| 006 | B23 | A | 0 | | | | | | | 6 | |
| 007 | | 0 | C | | | | | | | 7 | |
| 008 | | 5 | | | | | | | | 8 | |
| 009 | | 10 | | | | | | | | 9 | |
| 010 | | 15 | | | | | | | | 10 | |
| 011 | B29 | A | 0 | | | | | | | 11 | |
| 012 | | 0 | C | | | | | | | 12 | |
| 013 | | 5 | | | | | | | | 13 | |
| 014 | | 10 | | | | | | | | 14 | |
| 015 | | 15 | | | | | | | | 15 | |
| 016 | B30 | A | 0 | | | | | | | 16 | |
| 017 | | 0 | C | | | | | | | 17 | |
| 018 | | 5 | | | | | | | | 18 | |

CH ... CDF ... CLM ... CN ... CAF ... CYN ... CBL ... CY ... XCP/L ... CAB ... MACH ... ALPHA BETA

α OR β SCHEDULES: $\alpha(A) = -4, -2, -1, 0, 1, 2 \rightarrow 30$, $\Delta\alpha = 2°$ — $\beta(C) = -10 \rightarrow +10$, $\Delta\beta = 5°$

TABLE II. - Continued.

TEST: 0A36 NAAL 716 | DATA SET RUN NUMBER COLLATION SUMMARY | DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETER VALUES δF | δa | δe | δR | δSB | NO. RUNS | MACH NUMBERS .21 |
|---|---|---|---|---|---|---|---|---|---|---|
| RUX019 | B01G1M1F1W1E1V1R1X1 | 10 | C | 11.7 | 0 | 0 | 0 | 25 | 1 | 19 |
| 020 | | 15 | | | | | | | | 20 |
| 021 | B21 | A | 0 | | | | | | | 21 |
| 022 | | 0 | C | | | | | | | 22 |
| 023 | | 5 | | | | | | | | 23 |
| 024 | | 10 | | | | | | | | 24 |
| 025 | | 15 | | | | | | | | 25 |
| 026 | B22 | A | 0 | | | | | | | 26 |
| 027 | | 0 | C | | | | | | | 27 |
| 028 | | 5 | | | | | | | | 28 |
| 029 | | 10 | | | | | | | | 29 |
| 030 | | 15 | | | | | | | | 30 |
| 031 | B23 | A | 0 | | | | | | | 31 |
| 032 | | 0 | C | | | | | | | 32 |
| 033 | | 5 | | | | | | | | 33 |
| 034 | | 10 | | | | | | | | 34 |
| 035 | | 15 | | | | | | | | 35 |
| 036 | B35 | A | 0 | | | | | | | 36 |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CH ... CDE ... CLM ... CN ... CAF ... CYN ... CBL ... CT ... XCP/L CAB ... MACH ... ALPHA BETA

α OR β SCHEDULES: X(A) = -4, -3, -1, 0, 1, 2 → 30, Δα = 2° | Y(C) = -10 → 1, Δβ = 5°

TABLE II. - Continued.

TEST: OA06 NAAL 7/16 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δf | δa | δe | δR | δsB | NO. OF RUNS | MACH NUMBERS .21 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX037 | B2C4M1F8W1G6E6V6R5X9 | 0 | C | 11.7 | 0 | 0 | 0 | 25 | 1 | 37 | |
| 038 | | 5 | | | | | | | | 38 | |
| 039 | | 10 | | | | | | | | 39 | |
| 040 | | 15 | | | | | | | | 40 | |
| 041 | B34 | A | 0 | | | | | | | 41 | |
| 042 | | 0 | C | | | | | | | 42 | |
| 043 | | 5 | | | | | | | | 43 | |
| 044 | | 10 | | | | | | | | 44 | |
| 045 | | 15 | | | | | | | | 45 | |
| 051 | B36 | A | 0 | | | | | | | 51 | |
| 052 | | 0 | C | | | | | | | 52 | |
| 053 | | 5 | | | | | | | | 53 | |
| 054 | | 10 | | | | | | | | 54 | |
| 055 | | 15 | | | | | | | | 55 | |
| 056 | B37 | A | 0 | | | | | | | 56 | |
| 057 | | 0 | C | | | | | | | 57 | |
| 058 | | 5 | | | | | | | | 58 | |
| 059 | | 10 | | | | | | | | 59 | |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CL CDF CLM CN CAF CYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULES — COEFFICIENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30, Δα = 2°

β(C) = -10 → +10, Δβ = 5°

TABLE II. - Continued.

TEST: OA86 NAHL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — LATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES dF | da | de | dR | SSB | NO. OF RUNS | MACH NUMBERS .21 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX060 | B37C9M7F8W11GE1L VBR3X9 | 15 | C | 11.7 | 0 | 0 | 0 | 25 | 1 | 60 | |
| 061 | B38 | A | 0 | | | | | | | 61 | |
| 062 | | 0 | C | | | | | | | 62 | |
| 063 | | 5 | | | | | | | | 63 | |
| 064 | | 10 | | | | | | | | 64 | |
| 065 | | 15 | | | | | | | | 65 | |
| 066 | B39 | A | 0 | | | | | | | 66 | |
| 067 | | 0 | C | | | | | | | 67 | |
| 068 | | 5 | | | | | | | | 68 | |
| 069 | | 10 | | | | | | | | 69 | |
| 070 | | 15 | | | | | | | | 70 | |
| 071 | B50 | A | | | | | | | | 71 | |
| 072 | | 0 | | | | | | | | 72 | |
| 073 | | 5 | | | | | | | | 73 | |
| 074 | | 10 | | | | | | | | 74 | |
| 075 | | 15 | | | | | | | | 75 | |
| 076 | | A | 0 | | | 5 | | | | 76 | |
| 077 | B38 | | | | | | | | | 77 | |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CL CDF CLM CN CAF CYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULES — COEFFICIENTS — IC, AR(1) — IC, AR(2) — MOC

α(A) = -4, -2, -1, 0, 1, 2 → 30, Δα = 2°

β(C) = -10 → 10, Δβ = 5°

TABLE II. - Continued.

TEST : UAEG NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δF | δa | δe | δR | δSB | NO. OF RUNS | MACH NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|
| RDXC78 | B64A1M1F3W111,E2L1V5R5X9 | A | 0 | 11.7 | 0 | 5 | 0 | 25 | 1 | .21 |
| 079 | B31 | | | | | | | | | 78 |
| 080 | B30 | | | | | | | | | 77 |
| 081 | B32 | | | | | | | | | 80 |
| 082 | B33 | | | | | | | | | 81 |
| 083 | B34 | | | | | | | | | 82 |
| 084 | B37 | | | | | | | | | 83 |
| 085 | B40 | | | | | | | | | 84 |
| 086 | | 0 | 4 | | | | | | | 85 |
| 087 | | 5 | | | | | | | | 86 |
| 088 | | 10 | | | | | | | | 87 |
| 089 | | 15 | | | | | | | | 88 |
| 090 | B41 | A | 0 | | | | | | | 89 |
| 091 | | 0 | 4 | | | | | | | 1 |
| 092 | | 5 | | | | | | | | 91 |
| 093 | | 10 | | | | | | | | 92 |
| 094 | | 15 | | | | | | | | 93 |
| 095 | | A | 0 | | | 0 | | | | 94 |
| | | | | | | | | | | 95 |

1 7 13 19 25 31 37 43 49 55 61 67 75

CL CDF CLM CN CAF CYN CBL CT XCP/L CAB MACH $\frac{BT}{2c}$ $\frac{HA}{2A}$

α OR β SCHEDULES

$\alpha(A) = -4, -2, -1, \ldots, 1 \rightarrow$ [illegible], $\Delta\alpha =$ [illegible]

$\beta(C) = -10 \rightarrow 10, \Delta\beta = 5^\circ$

TABLE II. - Continued.

TEST: CASE NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETER VALUES δF | δa | δe | δR | δSB | NO. OF RUNS | MACH NUMBER | TEST RUN NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX 096 | B4LGMFBW1.3E26VERSX9 | 0 | C | 11.7 | 0 | 0 | 0 | 25 | 1 | .21 | 96 |
| 097 | | 5 | | | | | | | | | 97 |
| 096 | | 10 | | | | | | | | | 98 |
| 099 | | 15 | | | | | | | | | 99 |
| 100 | B40 | A | 0 | | | | | | | | 100 |
| 101 | | 0 | C | | | | | | | | 101 |
| 102 | | 5 | | | | | | | | | 102 |
| 103 | | 10 | | | | | | | | | 103 |
| 104 | | 15 | | | | | | | | | 104 |
| 105 | B50 | A | 0 | | | | | | | | 105 |
| 106 | B42 | | | | | | | | | | 106 |
| 107 | B43 | | | | | | | | | | 107 |
| 108 | B50GFBW1.6E26V8RSX9 | | | | | | | | | | 108 |
| 109 | | 0 | C | | | | | | | | 109 |
| 110 | | 5 | | | | | | | | | 110 |
| 111 | | 10 | | | | | | | | | 111 |
| 112 | | 15 | | | | | | | | | 112 |
| 113 | B50GMFBW1.6E26V8RSX9 | A | 0 | | | | | | | | 113 |

1 7 13 19 25 31 37 43 49 55 61 67 73

CL CDF CLM CN CAF GYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULES — COEFFICIENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30, Δα = 2°

β(C) = -10 → +10°, Δβ = 5

TABLE II. - Continued.

TEST: CA86 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | ECHO α | ECHO β | PARAMETER VALUES dF | dθ | dε | dR | δSB | NO. OF CONF. | MACH NUMBERS .21 |
|---|---|---|---|---|---|---|---|---|---|---|
| RDX 114 | BSCGIMNOFBWIIGE26VSRSX9 | 0 | C | 11.7 | 0 | 0 | 0 | 25 | 1 | 114 |
| 115 | | 5 | | | | | | | | 115 |
| 116 | | 10 | | | | | | | | 116 |
| 117 | | 15 | | | | | | | | 117 |
| 118 | YM11 | A | 0 | | | | | | | 118 |
| 119 | | 0 | C | | | | | | | 119 |
| 120 | | 5 | | | | | | | | 120 |
| 121 | | 10 | | | | | | | | 121 |
| 122 | | 15 | | | | | | | | 122 |
| 123 | BSOCGF8W11GE26VSRSX9 | A | 0 | | | 5 | | | | 123 |
| 124 | | 0 | C | | | | | | | 124 |
| 125 | | 5 | | | | | | | | 125 |
| 126 | | 10 | | | | | | | | 126 |
| 127 | | 15 | | | | | | | | 127 |
| 128 | BSCGM7F8W11GE26VSRSX9 | A | 0 | | | | | | | 128 |
| 129 | | 0 | C | | | | | | | 129 |
| 130 | | 5 | | | | | | | | 130 |
| 131 | | 10 | | | | | | | | 131 |

CL CDF CLM ZAF CYN CBL CT F/C AB MACT E-DNF BETA

α OR β SCHEDULES X(A) = -4, 2., 0, 1, 2 → 3. K.K = 2.

β(

TABLE II. - Continued.

TEST: DAB6 NAAL 716 — DATA SET RUN NUMBER CULLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | δF | δa | δe | δR | SGB | NO. OF RUN | MACH NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|
| RUX 132 | B44C9M7F6W1K2E1V3R5X9 | 15 | C | 11.7 | 0 | 5 | 0 | 25 | 1 | .21 |
| 133 | B45 | A | 0 | | | | | | | .32 |
| 134 | | 0 | C | | | | | | | 133 |
| 135 | | 5 | | | | | | | | 134 |
| 136 | | 10 | | | | | | | | 135 |
| 137 | | 15 | | | | | | | | 136 |
| 143 | | A | 0 | | | L | | | | 137 |
| 144 | | 0 | C | | | | | | | 143 |
| 145 | | 5 | | | | | | | | 144 |
| 146 | | 10 | | | | | | | | 145 |
| 147 | | 15 | | | | | | | | 146 |
| 148 | B44 | A | 0 | | | | | | | 147 |
| 149 | | 0 | C | | | | | | | 148 |
| 150 | | 5 | | | | | | | | 149 |
| 151 | | 10 | | | | | | | | 150 |
| 152 | | 15 | | | | | | | | 151 |
| 154 | B46 | A | 0 | | | | | | | 152 |
| 155 | | | | | | | | 0 | | 153 |
| | | | | | | | | | | 154 |

1 7 13 19 25 31 37 43 49 55 61 67 73

CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB | MACH | ALPHA BETA

α OR β SCHEDULES

COEFFICIENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30, Δα°

β(C) = -10 → 10°, Δβ = 5°

TABLE II. - Continued.

TEST: CABL NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δF | δa | δe | δR | Wm | SSB | NO. OF RUNS | MACH NUMBERS .21 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX156 | BWGMTBWWEWVQRSXQ | 0 | C | 11.7 | 0 | 0 | 0 | - | 0 | 1 | 156 |
| 157 | | 5 | | | | | | | | | 157 |
| 158 | | 10 | | | | | | | | | 158 |
| 159 | | 15 | | | | | | | | | 159 |
| 160 | BAT | A | 0 | | | | | | 25 | | 160 |
| 161 | | 0 | C | | | | | | | | 161 |
| 162 | | 5 | | | | | | | | | 162 |
| 163 | | 10 | | | | | | | | | 163 |
| 164 | | 15 | | | | | | | | | 164 |
| 165 | BAL | A | 0 | | | | | .20 | | | 165 |
| 166 | | 0 | C | | | | | | | | 166 |
| 167 | | 5 | | | | | | | | | 167 |
| 168 | | 10 | | | | | | | | | 168 |
| 169 | | 15 | | | | | | | | | 169 |
| 170 | | A | 0 | | | | | .10 | | | 170 |
| 171 | | 0 | C | | | | | | | | 171 |
| 172 | | 5 | | | | | | | | | 172 |
| 173 | | 10 | | | | | | | | | 173 |

TEST RUN NUMBERS

1 7 13 25 31 37 43 49 55 61 67 70 74

CL CDF CLM CA' CAF CYN CBL CY X'P/L CAB MALH ALPHA BETA

α OR β SCHEDULES

COEFFICIENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30, Δα

β(C) = [illegible] → 10, Δβ = 5°

TABLE II. - Continued.

TEST: OA86 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES $\delta_F$ | $\delta_2$ | $\delta_e$ | $\delta_R$ | $W_m$ | $\delta_{SR}$ | NO. OF RUNS | MACH NUMBERS .21 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX174 | B4G1M1F8W1L6E2V6R3X4 | 15 | C | 11.7 | 0 | 0 | 0 | .10 | 25 | 1 | 174 |
| 175 | | A | 0 | | | | | .05 | | | 175 |
| 176 | | 0 | C | | | | | | | | 176 |
| 177 | | 5 | | | | | | | | | 177 |
| 178 | | 10 | | | | | | | | | 178 |
| 179 | | 15 | | | | | | | | | 179 |
| 180 | | A | 0 | | | 5 | | .20 | | | 180 |
| 181 | | 0 | C | | | | | | | | 181 |
| 182 | | 5 | | | | | | | | | 182 |
| 183 | | 10 | | | | | | | | | 183 |
| 184 | | 15 | | | | | | | | | 184 |
| 185 | | A | 0 | | | | | .10 | | | 185 |
| 186 | | 0 | C | | | | | | | | 186 |
| 187 | | 5 | | | | | | | | | 187 |
| 188 | | 10 | | | | | | | | | 188 |
| 189 | | 15 | | | | | | | | | 189 |
| 190 | | A | 0 | | | | | .05 | | | 190 |
| 191 | | 0 | C | | | | | | | | 191 |

1 7 13 19 25 31 37 43 49 55 61 67 73

CL CDF CLM CN CAF CYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULES: $\alpha(A) = -4, -2, -1, 0, 1, 2 \rightarrow 30, \Delta\alpha = 2°$ — $\beta(C) = -10 \rightarrow 10, \Delta\beta = 5°$

TABLE II. - Continued.

TEST : OAB6 NAAL 7/4 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δf | δa | δe | δr | Wm | δSB | NO. OF RUNS | MACH NUMBERS .21 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX 192 | B4CWFW11E2VBK4 | 5 | C | 11.7 | 0 | 5 | 0 | .05 | 25 | 1 | 192 | |
| 193 | | 10 | | | | | | | | | 193 | |
| 194 | | 15 | | | | | | | | | 194 | |
| 195 | | A | 0 | | | | | — | | | 195 | |
| 196 | | A | 0 | | | | | | 0 | | 196 | |
| 197 | | 0 | C | | | | | | | | 197 | |
| 198 | | 5 | | | | | | | | | 198 | |
| 199 | | 10 | | | | | | | | | 199 | |
| 200 | | 15 | | | | | | | | | 200 | |
| 201 | B47 | A | 0 | | | | | | 25 | | 201 | |
| 202 | | 0 | C | | | | | | | | 202 | |
| 203 | | 5 | | | | | | | | | 203 | |
| 204 | | 10 | | | | | | | | | 204 | |
| 205 | | 15 | | | | | | | | | 205 | |
| 206 | B50 | A | 0 | | | | | | | | 206 | |
| 207 | | A | 0 | | | 0 | | | | | 207 | |
| 208 | | 0 | C | | | | | | | | 208 | |
| 209 | | 5 | | | | | | | | | 209 | |

1 7 13 19 25 31 37 43 49 55 61 67 72 76

CL CDF CLM CN CAF CYN CBL CY XCP/4 CAB MACH ALPHA BETA

α OR β SCHEDULES

α(A): -4, -2, -1, 0, 1, 2 → 3°, Δα = 2° — COEFFICIENT

β(C): -10 → 10°, Δβ = 5° — PARTIAL PARTIAL

TABLE II. - Continued.

TEST: CA36 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/75

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δF | δa | δe | δr | δSB | NO. OF RUNS | MACH NUMBERS | TEST RUN NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ROX 210 | BOCGMAFSWINGEUVERSX7 | 10 | C | 11.7 | 0 | 0 | 0 | 25 | 1 | .21 | |
| 211 | | 15 | | | | | | | | 210 | |
| 212 | | A | 0 | | | | -10 | | | 211 | |
| 213 | | 0 | C | | | | | | | 212 | |
| 214 | | 5 | | | | | | | | 213 | |
| 215 | | 10 | | | | | | | | 214 | |
| 216 | | 15 | | | | | | | | 215 | |
| 217 | | A | 0 | | | | 0 | 40 | | 216 | |
| 218 | | | | | | | | 35 | | 217 | |
| 219 | | | | | | 10 | | 25 | | 218 | |
| 220 | | | | | 10 | 0 | | | | 219 | |
| 221 | | | | | -10 | | | | | 220 | |
| 222 | | | | | 0 | 15 | | | | 221 | |
| 223 | | A | 0 | | | 0 | | | | 222 | |
| 224 | | 0 | C | | | | | | | 223 | |
| 225 | | 5 | | | | | | | | 224 | |
| 226 | | 10 | | | | | | | | 225 | |
| 227 | | 15 | | | | | | | | 226 | |
| | | | | | | | | | | 227 | |

1 7 13 19 25 31 37 43 49 55 61 67 73 79

CL CDF CLM CN CAF CYN CRL CY XCP/L CAB MACH ALPHA B.E.T.A

α OR β SCHEDULES

COEFFICIENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30°, Δα = 2°

β(C) = -10 → 10°, Δβ = 5°

TABLE II. - Continued.

TEST: 0A86 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | δf | δa | δe | δR | Wm | SSB | NO. OF RUNS | MACH .21 | ALPHA BETA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX228 | BodCgWmFaWingExVbRsXg | A | 0 | 11.7 | 0 | 0 | 0 | | 40 | 1 | 228 | |
| 229 | | 0 | C | | | | | | | | 229 | |
| 230 | | 5 | | | | | | | | | 230 | |
| 231 | | 10 | | | | | | | | | 231 | |
| 232 | | 15 | | | | | | | | | 232 | |
| 233 | | A | 0 | | | | | | 85 | | 233 | |
| 234 | | 0 | C | | | | | | | | 234 | |
| 235 | | 5 | | | | | | | | | 235 | |
| 236 | | 10 | | | | | | | | | 236 | |
| 237 | | 15 | | | | | | | | | 237 | |
| 238 | | A | 0 | 16.3 | | | | | 25 | | 238 | |
| 239 | | | | 0 | | | | | | | 239 | |
| 240 | BAB + RAKE | | | 11.7 | | | | .20 | | | 240 | |
| 241 | | 0 | C | | | | | | | | 241 | |
| 242 | | 5 | | | | | | | | | 242 | |
| 243 | | 10 | | | | | | | | | 243 | |
| 244 | | 15 | | | | | | | | | 244 | |
| 245 | | A | 0 | | | | | .10 | | | 245 | |

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 73 75

CL CDF CLM CN CAF CYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULE

COEFFICIENTS

X(A) = -4, -2, 1, 0, 1, 2 → 3°, ΔX = 2°

B(C) = -10 → 10, Δβ = 5°

LEAR (1) LEAR (2) NC

TABLE II. - Continued.

TEST: 0A86 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | √F | ∂a | ∂e | ∂R | Wm | S.S# | NO. OF RUNS | MACH NUMBERS .21 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX246 | [illegible] | 0 | C | 11.7 | 0 | 0 | 0 | .10 | 25 | 1 | .21 | 246 |
| 247 | + RAKE | 5 | | | | | | | | | | 247 |
| 248 | | 10 | | | | | | | | | | 248 |
| 249 | | 15 | | | | | | | | | | 249 |
| 250 | | A | 0 | | | | | .05 | | | | 250 |
| 251 | | 0 | C | | | | | | | | | 251 |
| 252 | | 5 | | | | | | | | | | 252 |
| 253 | | 10 | | | | | | | | | | 253 |
| 254 | | 15 | | | | | | | | | | 254 |
| 255 | | A | 0 | | | | | — | | | | 255 |
| 256 | | 0 | C | | | | | | | | | 256 |
| 257 | | 5 | | | | | | | | | | 257 |
| 258 | | 10 | | | | | | | | | | 258 |
| 259 | | 15 | | | | | | | | | | 259 |
| 260 | | A | 0 | | | | | .02 | | | | 260 |
| 261 | | 0 | C | | | | | | | | | 261 |
| 262 | | 5 | | | | | | | | | | 262 |
| 263 | | 10 | | | | | | | | | | 263 |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CN CDF CLM CN CAF CYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULES

COEFFICIENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30°, ∂α = 2°

β(C) = -10 → 10, ∂β = 5°

TABLE II. - Continued.

TEST : DAEL NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES df | da | de | dR | Mm | SSB | NO. OF RUNS | MACH NUMBERS .21 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RUN 264 | B C W F H V3 R5 X9 | | C | 11.7 | 0 | 0 | 0 | .02 | 25 | 1 | 264 |
| | + RAKE | | | | | | | | | | |
| 265 | B C W F H V3 R5 X9 | A | 0 | | | | | 0 | | | 265 |
| 266 | | | | | | | | .02 | | | 266 |
| 267 | | | | | | | | .05 | | | 267 |
| 268 | | | | | | | | .10 | | | 268 |
| 269 | | | | | | | | .20 | | | 269 |
| 270 | | | | | | 5 | | 0 | | | 270 |
| 271 | | | | | | | | .20 | | | 271 |
| 272 | | | | | | | | .10 | | | 272 |
| 273 | | | | | | | | .05 | | | 273 |
| 274 | | | | | | | | .02 | | | 274 |
| 275 | + RAKE | | | | | | | 0 | | | 275 |
| 276 | | | | | | | | .20 | | | 276 |
| 277 | | | | | | | | .10 | | | 277 |
| 278 | | | | | | | | .05 | | | 278 |
| 279 | | | | | | | | .02 | | | 279 |
| 280 | B C W F H V3 R5 X9 | | | — | | 0 | | — | 0 | | 280 |

1 7 13 19 25 31 37 43 49 55 61 67 73 79

CL CDF CLM CN CAF CYN CBL CY XCP/L CAB MACH ALPHA BETA

α OR β SCHEDULES — α(A) = -4, -2, -1, 0, 1, → 10°, Δα = 2° — β(C) = 10 → 10°, Δβ = 5°

TABLE II. - Continued.

TEST: 0A36 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETER VALUES dF | dδ | dε | dR | δSB | NO. OF RUNS | MACH NUMBER .21 |
|---|---|---|---|---|---|---|---|---|---|---|
| RDX 281 | B₂W₁₁₆E₂₆V₀R₅X₉ | 0 | C | – | 0 | 0 | 0 | 0 | 1 | 281 |
| 282 | | 5 | | | | | | | | 282 |
| 283 | | 10 | | | | | | | | 283 |
| 284 | | 15 | | | | | | | | 284 |
| 285 | | A | D | | | | -10 | | | 285 |
| 286 | | 0 | C | | | | | | | 286 |
| 287 | | 5 | | | | | | | | 287 |
| 288 | | 10 | | | | | | | | 288 |
| 289 | | 15 | | | | | | | | 289 |
| 290 | | A | 0 | | | 5 | | | | 290 |
| 291 | | 0 | C | | | | | | | 291 |
| 292 | | 5 | | | | | | | | 292 |
| 293 | | 10 | | | | | | | | 293 |
| 294 | | 15 | | | | | | | | 294 |
| 295 | | A | 0 | | | | 0 | | | 295 |
| 296 | | 0 | C | | | | | | | 296 |
| 297 | | 5 | | | | | | | | 297 |
| 298 | | 10 | | | | | | | | 298 |

1 7 13 19 25 31 37 43 49 55 61 67 73

UG ... RDF ... RTM ... RN ... RAF ... RYN ... RBL ... RY ... XCP/L ... RAB ... MACH ... ELEMENT DELTA

α OR β SCHEDULES: α(i) = -4, -2, -1, 0, 1, 2 → 30, Δα = 2° — COEFFICIENTS — δ(i) = -10 → 10, Δβ = 5° — TEST AREA

TABLE II. - Continued.

TEST: 0A86 NAAL 716 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | PARAMETERS/VALUES δF | δa | δe | δR | δSB | NO. OF RUNS | MACH NUMBERS | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX299 | B49C9W116E26V6R5X9 | 15 | C | — | 0 | 5 | 0 | 0 | 1 | .21 | 299 |
| 300 | B49C9F8W116E26V6R5X9 | A | 0 | 16.3 | | | | | | | 300 |
| 301 | | 0 | C | | | | | | | | 301 |
| 302 | | 5 | | | | | | | | | 302 |
| 303 | | 10 | | | | | | | | | 303 |
| 304 | | 15 | | | | | | | | | 304 |
| 305 | | A | 0 | | | 0 | | | | | 305 |
| 306 | | 0 | C | | | | | | | | 306 |
| 307 | | 5 | | | | | | | | | 307 |
| 308 | | 10 | | | | | | | | | 308 |
| 309 | | 15 | | | | | | | | | 309 |
| 310 | B49C9W116E26V6R5X9 + SUPPORT | A | 0 | — | | | | | | | 310 |
| 311 | + STING4 + SUPPORT | A | 0 | — | | | | | | | 311 |
| 312 | B26C9W116F8E26V6R5X9 | | | 16.3 | | | | 25 | | | 312 |
| 313 | + STING1 + SUPPORT | | | 0 | | | | | | | 313 |
| 314 | | | | 11.7 | | | | | | | 314 |
| 315 | | | | | | | | | | | 315 |

| 1 | 7 | 13 | 19 | 25 | 31 | 37 | 43 | 49 | 55 | 61 | 67 | 75 76 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB | MACH | ALPHA BETA | |

α OR β SCHEDULES

α(A) = -4, -2, -1, 0, 1, 2 → 10°, Δα = 2°

β(C) = -10 → 10°, Δβ = 5°

TABLE II. - Concluded.

TEST: OA36 NAAL 716 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE 11/15/73

| DATA SET IDENTIFIER | CONFIGURATION | SCHD. α | SCHD. β | δF | δa | δe | δr | SSB | NO. OF RUNS | MACH NUMBERS 21 | TEST RUN NUMBERS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RDX316 | B2C9M1F3W1F26V3R5X9 | A | 0 | 11.7 | 0 | 0 | 0 | 55 | 1 | 316 | |
| 317 | + STING & SUPPORT | | | | | | | 35 | | 317 | |
| 318 | | | | | | | | 25 | | 318 | |
| 319 | | | | | | 10 | | | | 319 | |
| 320 | | | | | 10 | 0 | | | | 320 | |
| 321 | | | | | -10 | | | | | 321 | |
| 322 | | | | | 0 | 15 | | | | 322 | |
| 323 | | | | | | 5 | | | | 323 | |
| 324 | | | | | | | | 0 | | 324 | |
| 325 | | | | | | 0 | | | | 325 | |
| 326 | + STING & SUPPORT | 10 | 0 | | | | | 25 | | 326 | |
| 327 | B5C9W1F26V3R5X9 | | | — | | | | 0 | | 327 | |
| 328 | + SUPPORT | | | | | | -10 | | | 328 | |
| 329 | | A | 0 | | | | | | | 329 | |
| 330 | | | | | | | 0 | | | 330 | |
| 331 | | | | | | 5 | | | | 331 | |

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB | MACH | ALPHA BETA

α OR β SCHEDULES

COEFFICENTS

α(A) = -4, -2, -1, 0, 1, 2 → 30°, Δα = 2°

β(C) = -10 → 10°, Δβ = 5°

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT BODY - $B_{26}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B.
Solid rocket motors not simulated because of sting entrance cavity.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000193, VL70-000140

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{28}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and the base ventilation turning vanes added to the base flare region.

MODEL SCALE: 0.040

DRAWING NUMBER VL70-000193, VL70-000140A

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$ 238.0) In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{29}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and sawtooth extension No. I added to the base flare region parallel to freestream.

MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | | FULL SCALE | MODEL SCALE |
|---|---|---|---|
| Length (Body nose @ $X_o$=238.0) | In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) - In. | | 262.00 | 10.611 |
| Max Depth ($X_o$ - 1464 In.) -In. | | 250.00 | 10.125 |
| Fineness Ratio | | 4.925 | 4.925 |
| Area - $Ft^2$ | | | |
| Max. Cross-Sectional | | 340.88 | 0.559 |
| Planform | | | |
| Wetted | | | |
| Base | | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{30}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated **and sawtooth extension #II** added to the base flare region parallel to freestream.

MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_O$=238.0) -In. | 1290.30 | 52.257 |
| Max Width ($X_O$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth ($X_O$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{31}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and sawtooth extension #III added to the base flare region parallel to the freestream

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS : | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) -In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY $B_{32}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and base flap configuration #1 added to the base flare region parallel to the freestream.

MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | | FULL SCALE | MODEL SCALE |
|---|---|---|---|
| Length (Body nose @ $X_o$ =238.0) | In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) | In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) | In. | 250.00 | 10.125 |
| Fineness Ratio | | 4.925 | 4.925 |
| Area - $Ft.^2$ | | | |
| Max. Cross-Sectional | | 340.88 | 0.559 |
| Planform | | | |
| Wetted | | | |
| Base | | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{33}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with base flap configuration #II added to the base flare region parallel to the freestream.

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) -In. | 1200.30 | [illegible] |
| Max Width ($X_o$ = 1520 In.) In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.1[illegible] |
| Fineness Ratio | 4.225 | [illegible] |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.55[illegible] |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{34}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with the shuttle rocket motors (SRM) simulated, and base ventilation turning vanes added to the base flare region are deflected so that the local angle of attack has been decreased 6 deg. Turning vane has also been "cleaned" of all rough edges. MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (body nose @ $X_o$ =238.0) In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.)- In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.552 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{35}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and base ventilation turning vanes added to the base flare region so that the local angle of attack has been increased 6 deg. Turning vane has been "cleaned" of all rough edges.

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY $B_{30}$

GENERAL DESCRIPTION Orbiter fuselage configuration [illegible] solid rocket motors (SRM) simulated and base ventilation turning [illegible] added, the base flare region and "cleaned" of all [illegible] MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) In. | 1200.00 | 52.254 |
| Max Width ($X_o$ 1520 In.) - In. | 260.00 | 10.914 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.62 | 4.62 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.83 | 0.599 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{37}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and base ventilation turning vanes added to the base flare region deflected so that the local angle of attack has been decreased 12 deg. MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) - In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| $A_{ea}$ - $Ft^2$ | 340.88 | 0.559 |
| Max. Cross-Sectional | | |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{38}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated. Sawtooth extension #II has been added to the base flare region and deflected to an angle equal to the base flare angle (Local angle of attack decreased). MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | | FULL SCALE | MODEL SCALE |
|---|---|---|---|
| Length (Body nose @ $X_o$ = 238.0) | In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) | In. | 262.00 | 10.611 |
| Max Depth ($X_o$ = 1464 In.) | In. | 250.00 | 10.125 |
| Fineness Ratio | | 4.925 | 4.925 |
| Area - $Ft^2$ | | | |
| Max. Cross-Sectional | | 340.88 | 0.559 |
| Planform | | | |
| Wetted | | | |
| Base | | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{39}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with - shuttle rocket motors (SRM) simulated. Sawtooth extension #III has been added to the base flare region deflected to an angle equal to the base flare angle (Local angle of attack decreased). MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS : | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) - In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{40}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and freestream ram air bleed to the base region without scoops added.

MODEL SCOPE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1290.30 | 52.257 |
| Max Width ($X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{41}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and ram air scoops added to the ram air bleed entrances.

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS : | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) - In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - B42

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated. Sawtooth extension #II has been added to the base flare region and deflected so that the local angle of attack has been decreased 6 deg. from that of the base flare angle.

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 9.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{43}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and sawtooth extension #III added to the base flare region and deflected so that the local angle of attack has been decreased 6 deg. from that of the base flare angle.

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{44}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated and sawtooth extension #IV added to the base flare region and deflected to an angle equal to the base flare angle (local angle of attack decreased).

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS : | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) -In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - $B_{45}$

GENERAL DESCRIPTION : Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated. Sawtooth Extension #V has been added to the base flare region and deflected to an angle equal to the base flare angle. (Local angle of attack decreased).

MODEL SCALE: 0.0405

DRAWING NUMBER :

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$ =238.0)-In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY $B_{140}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with the shuttle rocket motors (SRM) simulated and nitrogen bleed system to the base region has been added. All nitrogen is supplied through the model support struts to a model plenum and exhausted to the base through the four 30" dia. exits. MODEL SCALE: 0.0405

DRAWING NUMBER

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$ 238.0) - In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.) - In | 260.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - Ft$^2$ | | |
| Max. Cross Sectional | 342.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: BODY B47

GENERAL DESCRIPTION: Orbiter fuselage configuration 140 A/B with the shuttle rocket motors (SRM) simulated. A nitrogen bleed system to the base region has been added. All nitrogen is supplied through the model support struts to a model plenum and exhausted to the base through four 36" diameter orifices. A short base flap (Configuration I) is located aft of the fuselage sidewall in the base flare region and deflected to an angle equal to the base flare angle (to decrease the local angle of attack).

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140A/B

| DIMENSIONS: | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$ = 238.0 In.) - In. | 1290.30 | 52.257 |
| Max. Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max. Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max.Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{48}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with shuttle rocket motors (SRM) simulated. Porous fuselage sidewalls for nitrogen bleed to the boundary layer added. Porous material allows a plate flow rate of 300 $ft^3$/min. @ ΔP = 20 psia.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140A/B

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_0$=238.0) - In | 1290.30 | 52.257 |
| Max Width (@ $X_0$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_0$ = 1464 In.) In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{49}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with a long base drag reduction afterbody added per drawing SS-A00102.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140A/B, SS-A00102.

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1670.00 | 67.635 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ X = 1464 In.) -In. | 250.00 | 10.125 |
| Fineness Ratio | 6.375 | 6.375 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{50}$

GENERAL DESCRIPTION ~~Orbiter fuselage configuration 140 A/B with the~~ shuttle rocket motors (SRM) simulated.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-0001404/B

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0) - In. | 1290.30 | 52.257 |
| Max Width (@ $X_o$ = 1520 In.)- In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) -In. | 250.00 | 10.125 |
| Fineness Ratio | 4.925 | 4.925 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. -- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY - $B_{51}$

GENERAL DESCRIPTION Orbiter fuselage configuration 140 A/B with a short base drag reduction afterbody added Fuselage lengtn is changed.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140A/B, SS-A01163

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (Body nose @ $X_o$=238.0)-In. | 1567.98 | 63.503 |
| Max Width (@ $X_o$ = 1520 In.) - In. | 262.00 | 10.611 |
| Max Depth (@ $X_o$ = 1464 In.) - In. | 250.00 | 10.125 |
| Fineness Ratio | 5.984 | 5.984 |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | 340.88 | 0.559 |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT CANOPY - $C_3$

GENERAL DESCRIPTION Orbiter canopy configuration used on BODY - $B_{26}$

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140A/B, VL70-000143A

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length ($X_o$=434.64 → 670.00) - In. | 235.36 | 9.532 |
| Max Width ($X_o$ = 513.13)- In. | 152.41 | 6.173 |
| Max Depth ($X_o$ = 485.00) - In. | 25.00 | 1.013 |
| Fineness Ratio | | |
| Area | | |
| Max. Cross-Sectional | | |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELEVON - $E_{26}$

GENERAL DESCRIPTION: Orbiter elevon configuration used on WING - $W_{116}$

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000400, VL70-000140B

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Area - $Ft^2$ | 223.58 | 0.367 |
| Span (equivalent) - In. | 368.34 | 14.918 |
| Inb'd equivalent chord - In. | 119.62 | 4.845 |
| Outb'd equivalent chord - In. | 55.19 | 2.235 |
| Ratio movable surface chord/ total surface chord | | |
| At Inb'd equiv. chord | 0.210 | 0.210 |
| At Outb'd equiv. chord | 0.400 | 0.400 |
| Sweep Back Angles, degrees | | |
| Leading Edge | 0.000 | 0.000 |
| Trailing Edge | - 10.056 | - 10.056 |
| Hingeline | 0.000 | 0.000 |
| Area Moment (Normal to hinge line) $Ft^3$ | 851.15 | 0.057 |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT BODY FLAP - $F_8$

GENERAL DESCRIPTION Orbiter body flap configuration used on BODY - $B_{26}$.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140B, VL70-000400

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length - In. | 94.86 | 3.842 |
| Max Width - In. | 262.31 | 10.623 |
| Max Depth - In. | 23.00 | 0.932 |
| Fineness Ratio | | |
| Area - $Ft^2$ | | |
| Max. Cross-Sectional | | |
| Planform | 158.85 | 0.261 |
| Wetted | | |
| Base | 41.90 | 0.069 |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT ORBITAL MANEUVERING SYSTEM PODS - $M_7$

GENERAL DESCRIPTION OMS Pods used on BODY - $B_{26}$

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140A, VL70-000145

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length (FWD Sta. @ $X_o$=1233.00) - In. | 327.00 | 13.244 |
| Max Width ($X_o$ = 1450.00) - In. | 94.50 | 3.827 |
| Max Depth ($X_o$ = 1493.00) - In. | 109.00 | 4.415 |
| Fineness Ratio | | |
| Area | | |
| Max. Cross-Sectional | | |
| Planform | | |
| Wetted | | |
| Base | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT ORBITAL MANEUVERING SYSTEM PODS - $M_{10}$

GENERAL DESCRIPTION OMS PODS pylon-mounted from the fuselage sidewalls.

MODEL SCALE: 0.0405

DRAWING NUMBER VL70-000140A, VL70-000145

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length - In. | 327.00 | 13.244 |
| Max Width - In. | 94.50 | 3.827 |
| Max Depth - In. | 109.00 | 4.415 |
| Distance from fuselage sidewalls to OMS POD | 12.10 | 0.490 |
| Pylon: | | |
| Max. Width - In. | 18.52 | 0.750 |
| Length - In. | 222.22 | 9.000 |
| L.E. Sta., fuselage station | 1290.22 | 52.254 |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ORBITAL MANEUVERING SYSTEM PODS - $M_{11}$

GENERAL DESCRIPTION: OMS PODS pylon-mounted from the fuselage sidewalls.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140A, VL70-000145

| DIMENSIONS | FULL SCALE | MODEL SCALE |
|---|---|---|
| Length - In. | 327.00 | 13.244 |
| Max Width - In. | 94.50 | 3.827 |
| Max Depth - In. | 109.00 | 4.415 |
| Distance from fuselage sidewalls to OMS POD | 24.20 | 0.980 |
| **Pylon:** | | |
| Max. Width - In. | 18.52 | 0.750 |
| Length - In. | 222.22 | 9.000 |
| L.E. Sta., fuselage station | 1290.22 | 52.254 |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: RUDDER $R_5$

GENERAL DESCRIPTION: Orbiter rudder used on VERTICAL TAIL - $V_8$

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000095

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| Area - $Ft^2$ | 106.38 | 0.174 |
| Span (equivalent) - In. | 201.00 | 8.141 |
| Inb'd equivalent chord - In. | 91.59 | 3.709 |
| Outb'd equivalent chord - In. | 50.83 | 2.059 |
| Ratio movable surface chord/ total surface chord | | |
| At Inb'd equiv. chord | 0.400 | 0.400 |
| At Outb'd equiv. chord | 0.400 | 0.400 |
| Sweep Back Angles, degrees | | |
| Leading Edge | 34.830 | 34.830 |
| Tailing Edge | 26.250 | 26.250 |
| Hingeline | 34.830 | 34.830 |
| Area Moment (Normal to hinge line) $Ft^3$ | 526.13 | 0.035 |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: VERTICAL - $V_B$

GENERAL DESCRIPTION: Centerline VERTICAL TAIL with RUDDER and/or speed brake capability.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140A, VL70-000146A

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| **TOTAL DATA** | | |
| Area (Theo) - $Ft^2$ Planform | 413.25 | 0.678 |
| Span (Theo) - In | 315.72 | 12.787 |
| Aspect Ratio | 1.675 | 1.675 |
| Rate of Taper | 0.50 | 0.507 |
| Taper Ratio | 0.404 | 0.404 |
| Sweep Back Angles, degrees | | |
| Leading Edge | 45.000 | 45.000 |
| Trailing Edge | 25.947 | 25.947 |
| 0.25 Element Line | 41.130 | 41.130 |
| Chords: | | |
| Root (Theo) WP | 268.50 | 10.874 |
| Tip (Theo) WP | 108.47 | 4.393 |
| MAC | 199.81 | 8.092 |
| Fus. Sta. of .25 MAC | 1463.50 | 59.272 |
| W. P. of .25 MAC | 635.52 | 25.738 |
| B. L. of .25 MAC | 0.00 | 0.00 |
| Airfoil Section | | |
| Leading Wedge Angle Deg | 10.000 | 10.000 |
| Trailing Wedge Angle Deg | 14.920 | 14.920 |
| Leading Edge Radius | 2.00 | 2.00 |
| Void Area | 13.17 | 0.22 |
| Blanketed Area | | |

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: WING - $W_{116}$

GENERAL DESCRIPTION: Orbiter delta wing configuration used on BODY - $B_{26}$

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140B, VL70-000400

| DIMENSIONS: | FULL-SCALE | MODEL SCALE |
|---|---|---|
| **TOTAL DATA** | | |
| Area - $Ft^2$ | | |
| Planform | 2690.00 | 4.412 |
| Wetted | | |
| Span (Theo.) - In. | 936.68 | 37.936 |
| Aspect Ratio | 2.265 | 2.265 |
| Rate of Taper | 1.177 | 1.177 |
| Taper Ratio | 0.200 | 0.200 |
| Diehedral Angle, degrees ($X_o$=1506.62) | 3.500 | 3.500 |
| Incidence Angle, degrees | 0.500 | 0.500 |
| Aerodynamic Twist, degrees | 3.000 | 3.000 |
| Toe-In Angle | -- | -- |
| Cant Angle | -- | -- |
| Sweep Back Angles, degrees | | |
| Leading Edge | 45.000 | 45.000 |
| Trailing Edge | - 10.056 | - 10.056 |
| 0.25 Element Line | 35.209 | 35.209 |
| Chords: - In. | | |
| Root (Wing Sta. 0.0) | 689.24 | 27.914 |
| Tip, (equivalent) | 137.85 | 5.583 |
| MAC | 474.81 | 19.230 |
| Fus. Sta. of .25 MAC | 1126.72 | 45.632 |
| W.P. of .25 MAC | 291.00 | 11.786 |
| B.L. of .25 MAC | 187.33 | 7.587 |
| Airfoil Section | | |
| Root b/2 = .425 | 11.3 | 11.3 |
| Tip b/2 = 1.000 | 12.0 | 12.0 |
| **EXPOSED DATA** | | |
| Area - $Ft^2$ | 1812.22 | 2.973 |
| Span, (Theo) - In. | 736.68 | 29.836 |
| Aspect Ratio | 2.058 | 2.058 |
| Taper Ratio | 0.245 | 0.245 |
| Chords - In. | | |
| Root (BP = 108.00) | 570.62 | 23.110 |
| Tip | 137.85 | 5.583 |
| MAC | 354.24 | 14.345 |
| Fus. Sta. of .25 MAC | 1164.24 | 47.152 |
| W.P. of .25 MAC | 292.00 | 11.826 |
| B.L. of .25 MAC | 239.68 | 9.707 |
| L.E. Cuff (Data for $1_2$ of 2 Sides) | | |
| Planform area - $Ft^2$ | 118.33 | 0.134 |
| L.E. Intersects Fus. @ Sta. | 505.00 | 20.453 |
| L.E. Intersects wing @ Sta. | 1003.50 | 40.642 |

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

MODEL COMPONENT: TRANSITION GRIT - $X_9$

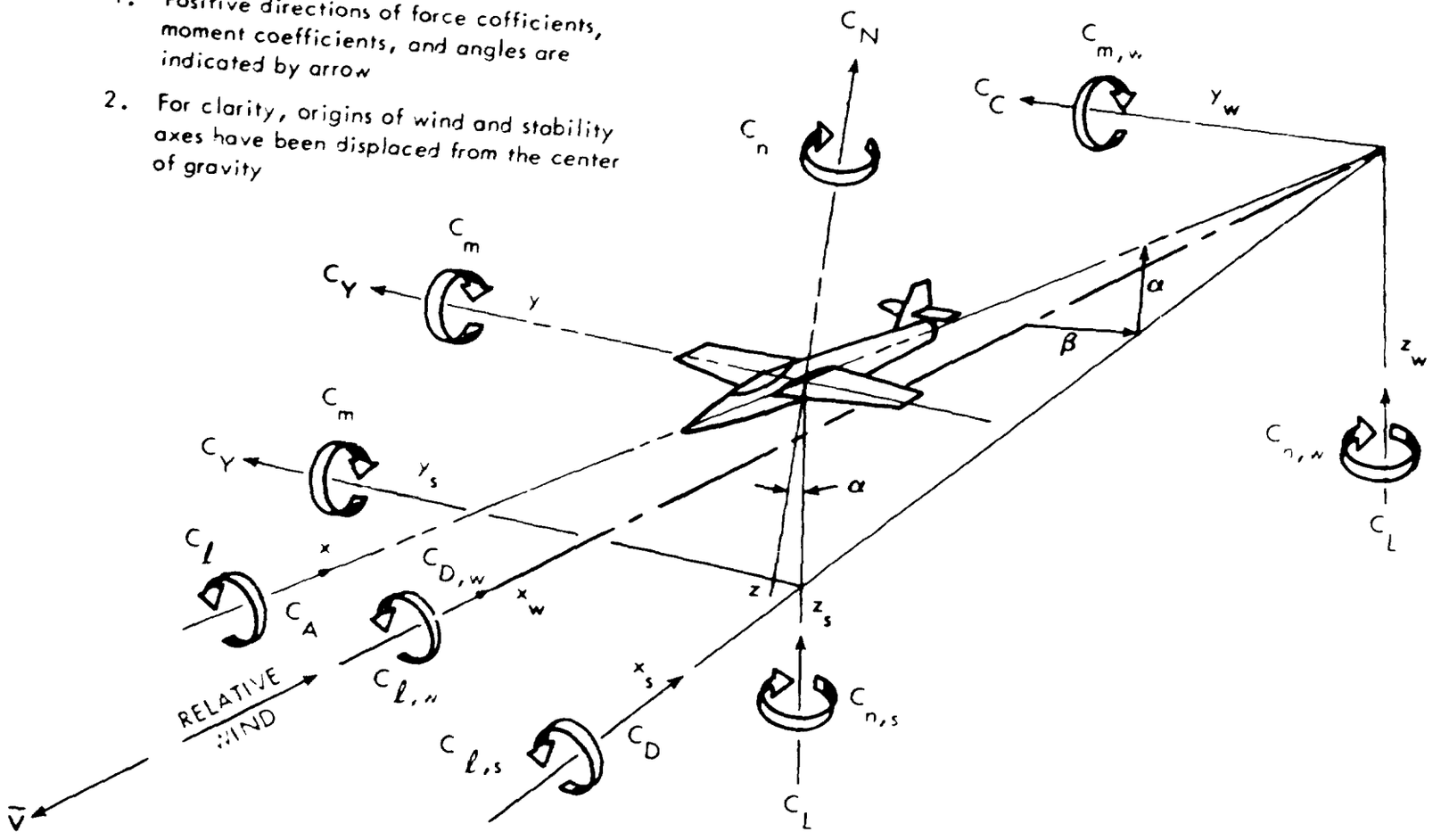
GENERAL DESCRIPTION: Grit located on model nose and all swept surfaces to provide forced boundary layer transition.

MODEL SCALE: 0.0405

| | |
|---|---|
| Nominal Grit Diameter - In. | |
| Fuselage | 0.0054 |
| All surfaces except fuselage | 0.0076 |
| Strip thickness - In. | 0.10 |
| Location - inches aft of local leading edge (streamwise) | 1.00 |

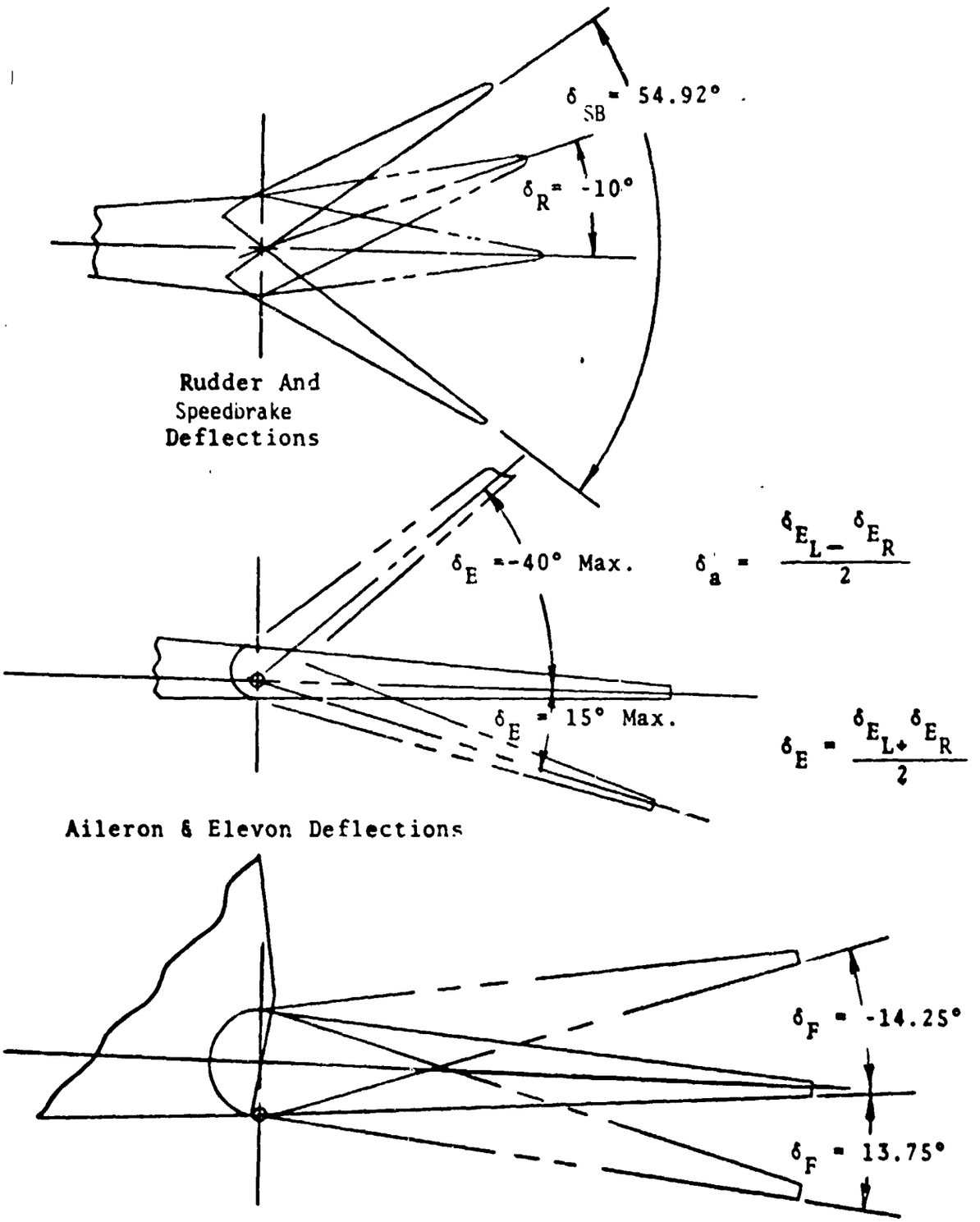
**Notes:**

1. Positive directions of force cofficients, moment coefficients, and angles are indicated by arrow
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity




a. Stability and body axis systems

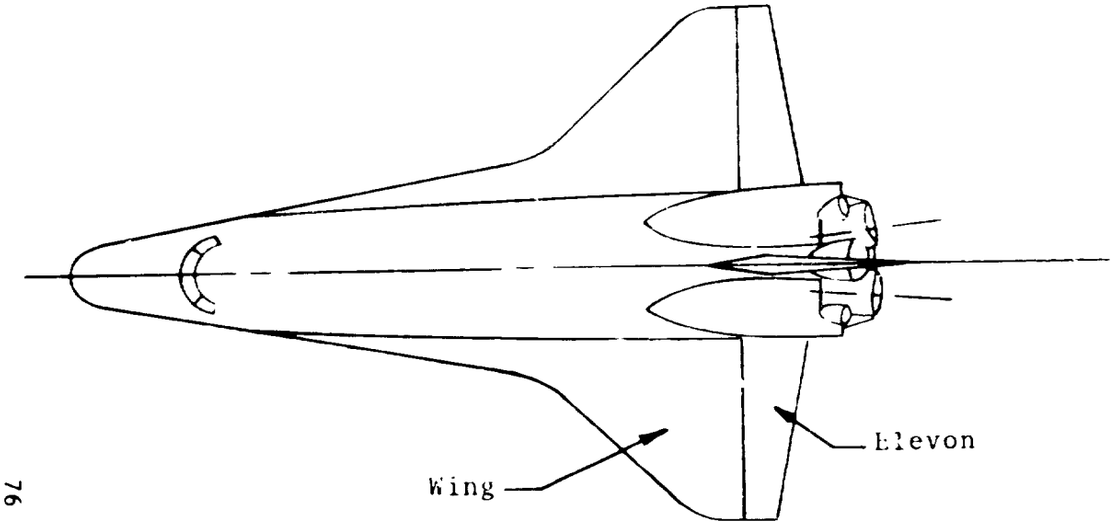
Figure 1. - Axis systems.

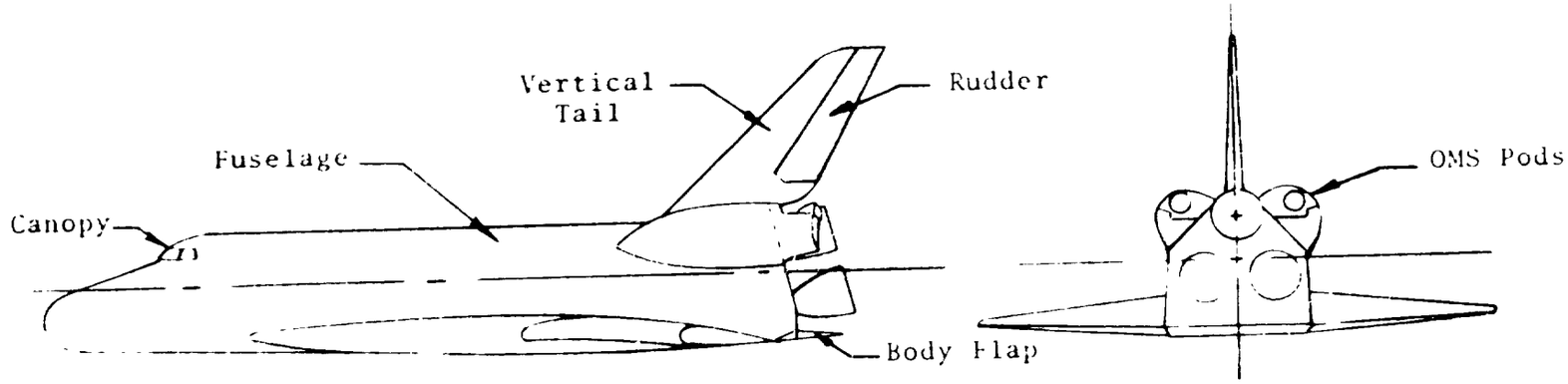



b. Sign Convention for Control Surfaces (not to scale)

Figure 1. - Concluded.

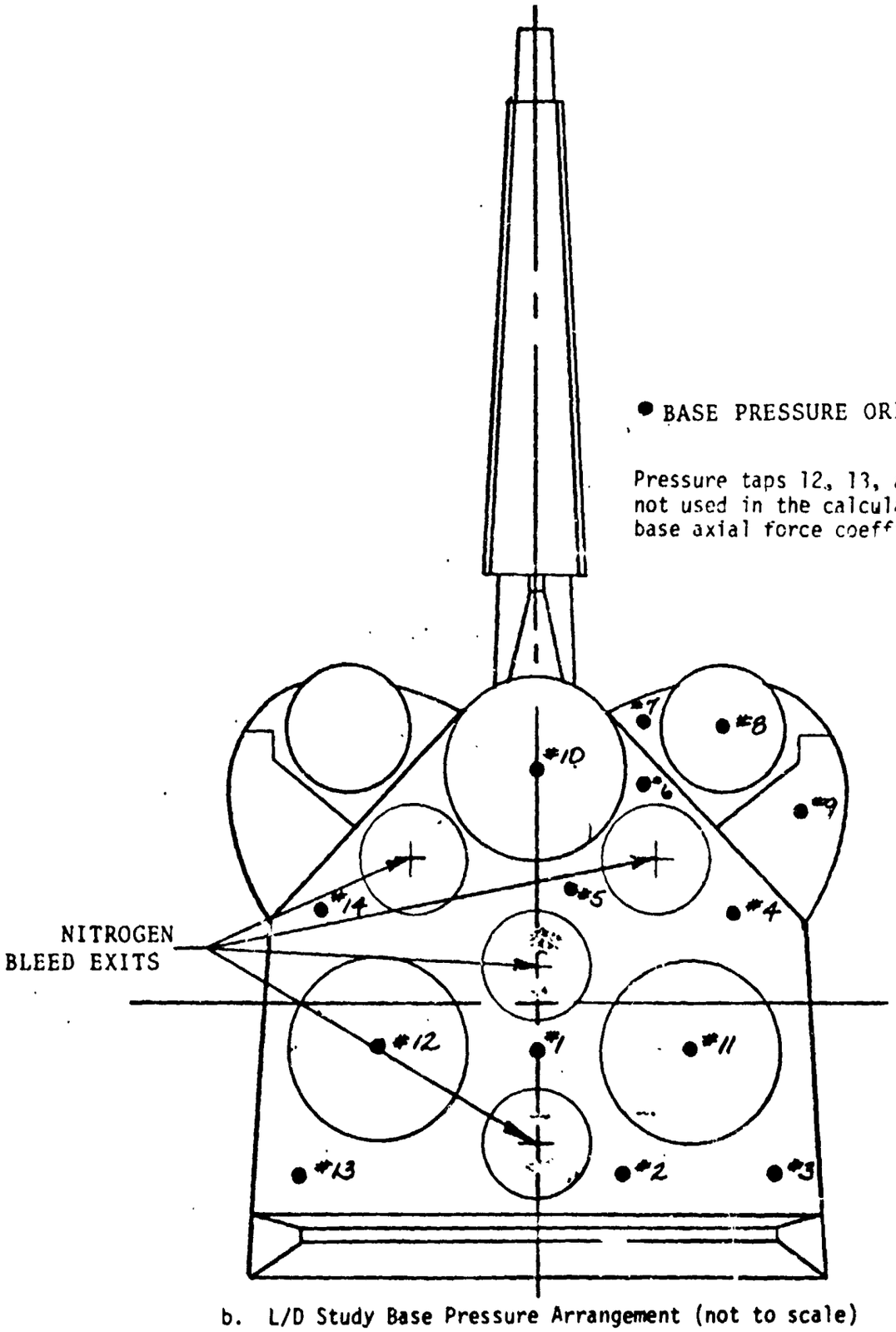
| Reference | Dimension |
|---|---|
| Area | $S_w$ = 2690 $ft^2$ |
| MAC | $\bar{c}_w$ = 474.8 in |
| C.G. | X = 1076.48 in |
| | Z = 375.0 in |
| Span | $b_w$ = 936.68 in |
| Length | L = 1290.3 in |




a. General Arrangement - 140A/B Orbiter (not to scale)

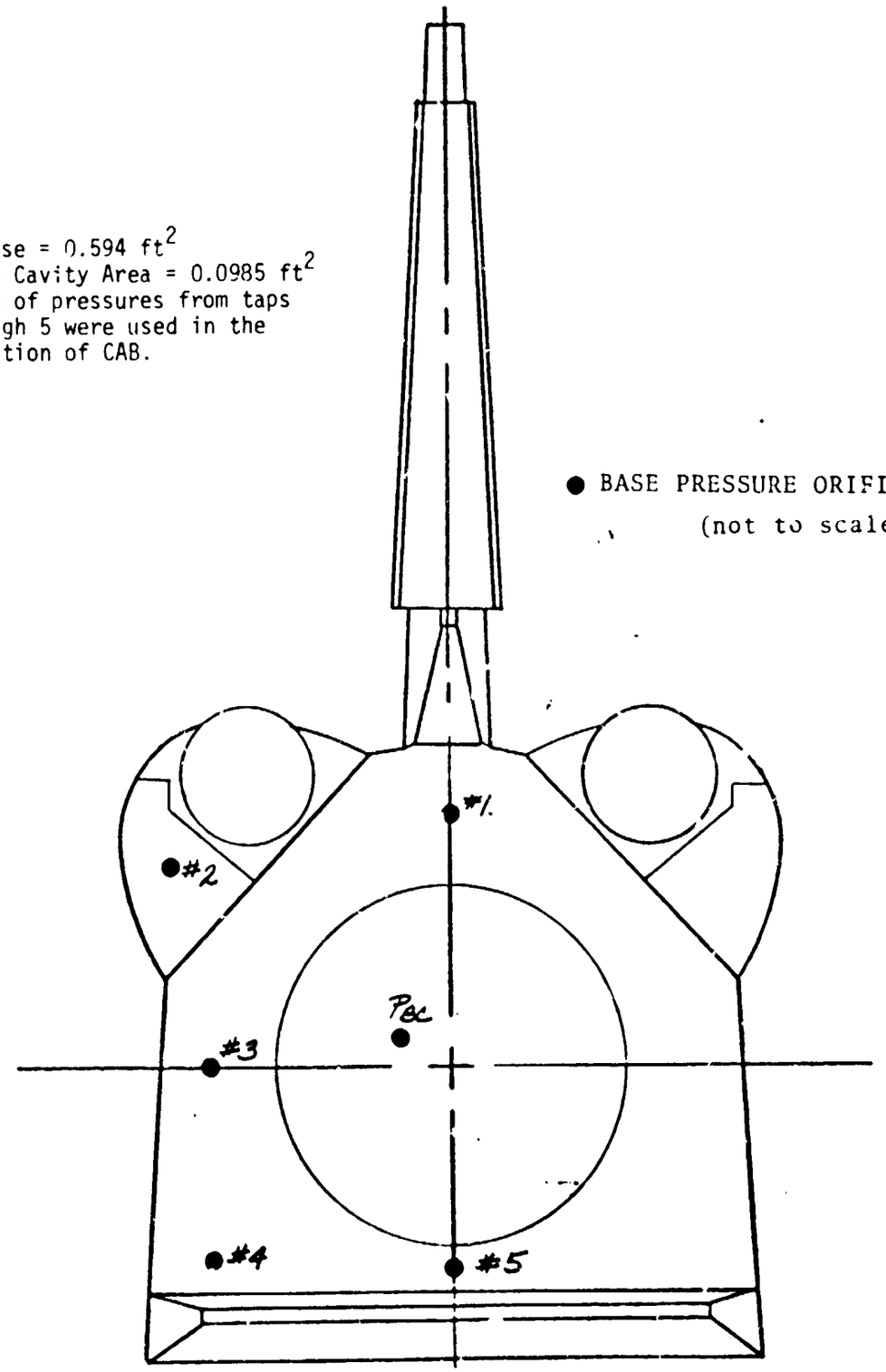
Figure 2. - Model sketches.




b. L/D Study Base Pressure Arrangement (not to scale)

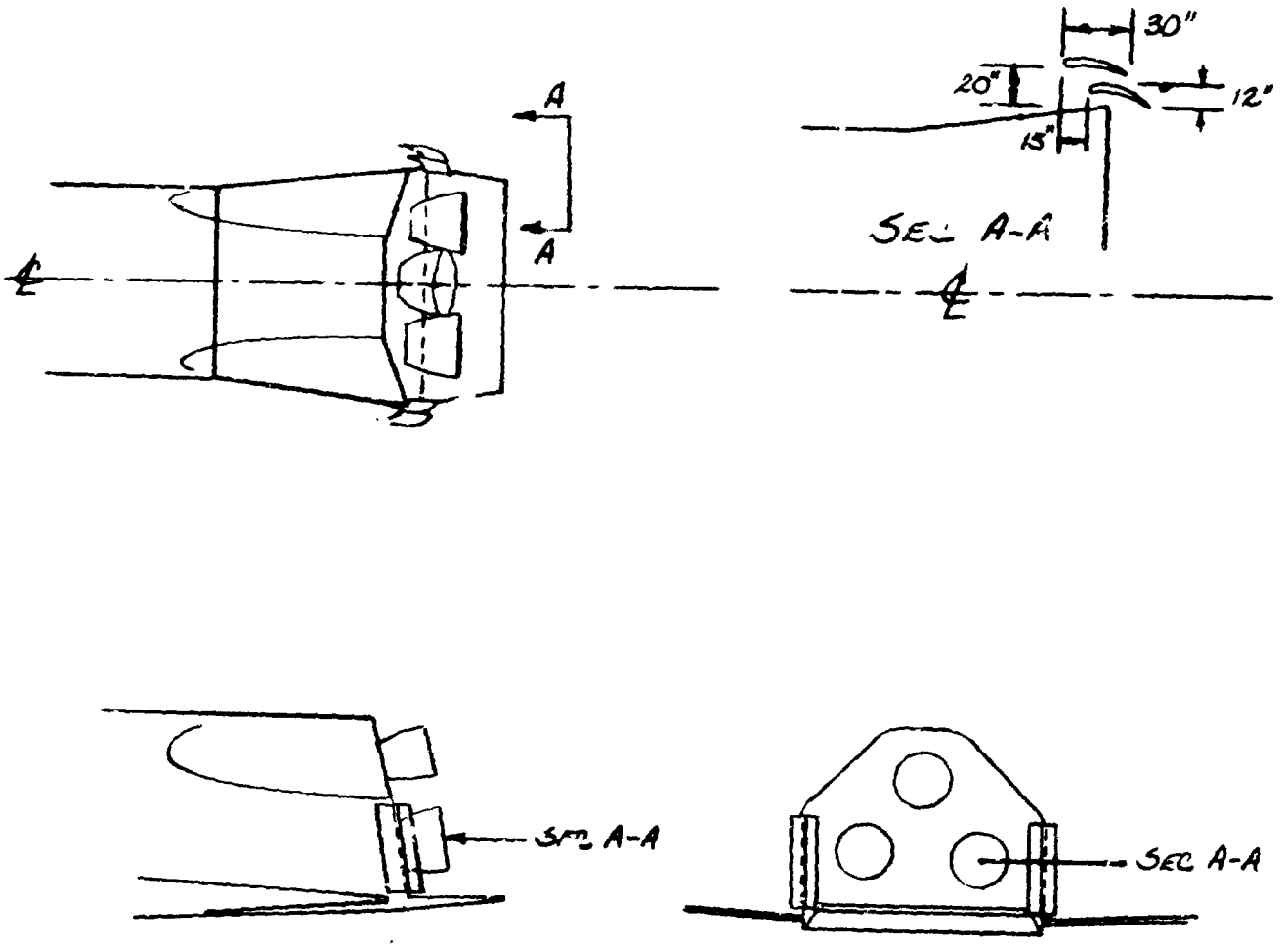
Figure 2. - Continued.

Area Base = 0.594 $ft^2$
Balance Cavity Area = 0.0985 $ft^2$
Average of pressures from taps 1 through 5 were used in the calculation of CAB.



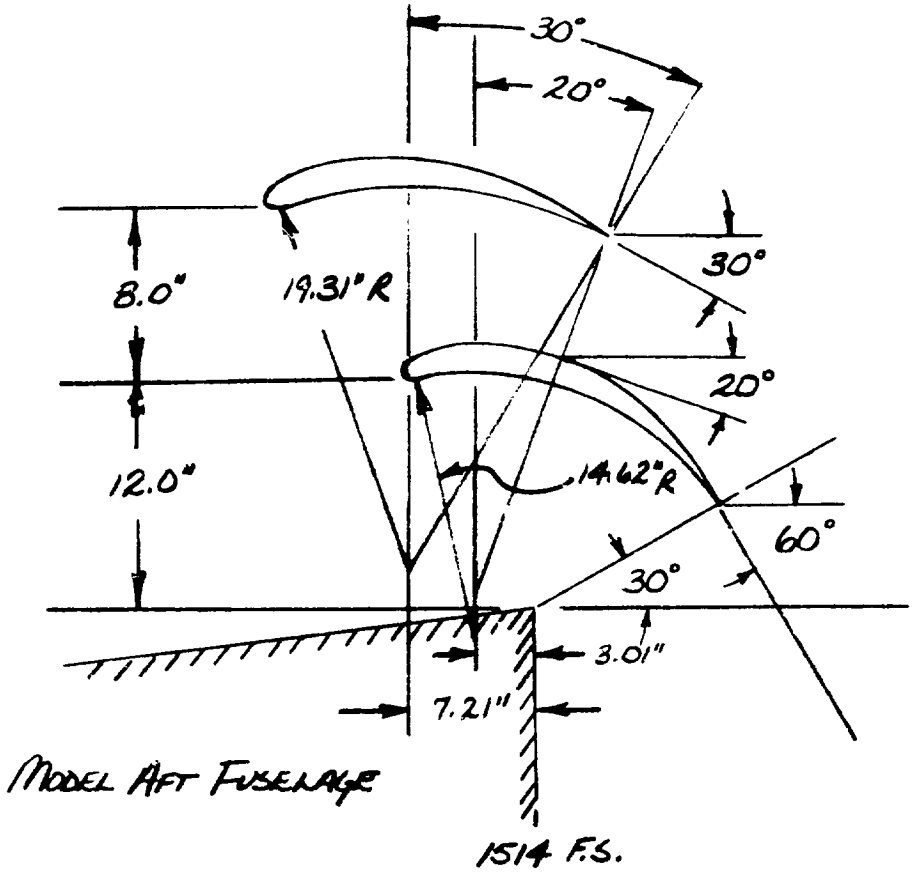

c. Sting Interference Study Base Pressure Arrangement

Figure 2. - Continued.



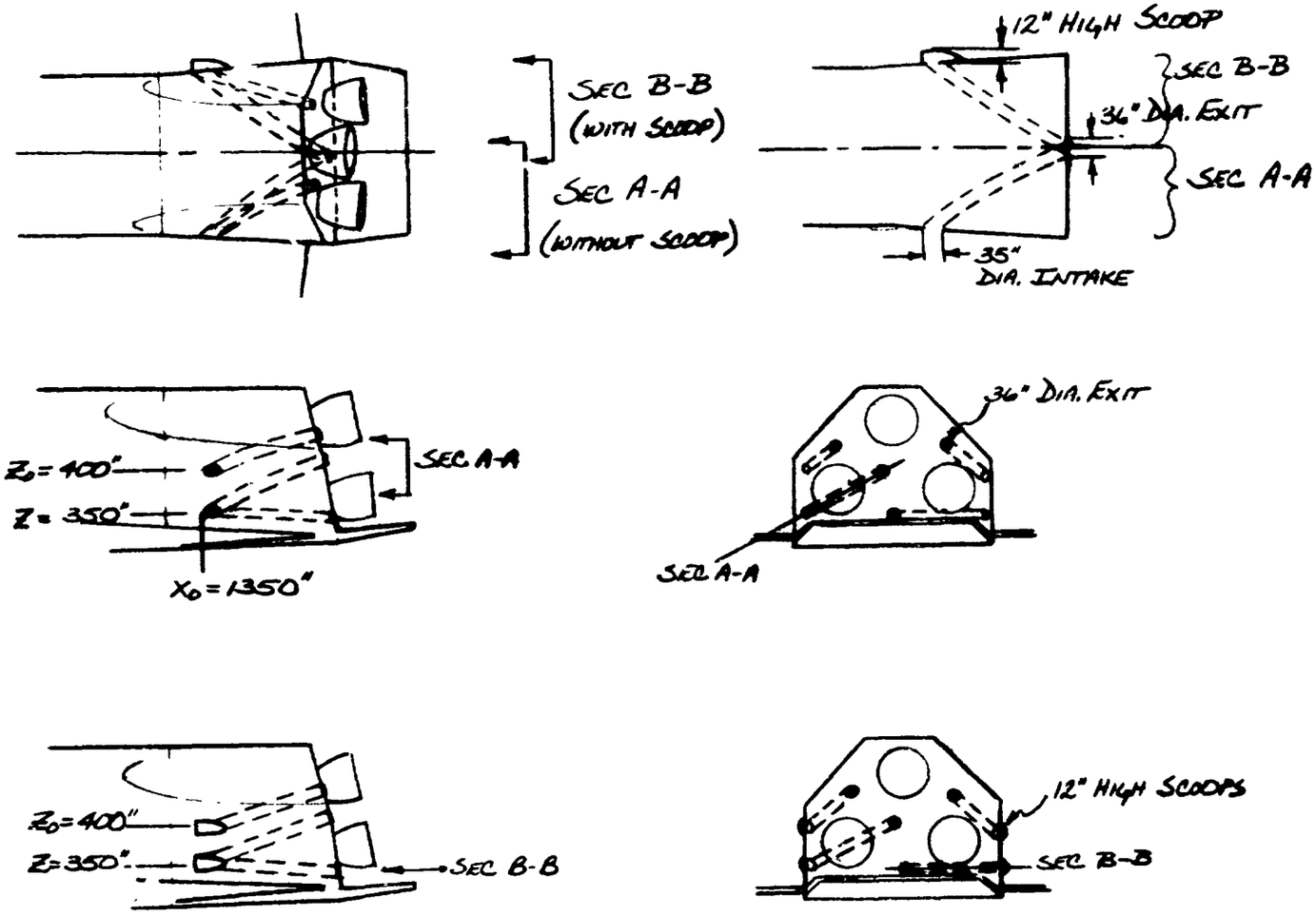

d. Base Ventilation Turning Vanes Overview (not to scale)

Figure 2. - Continued.



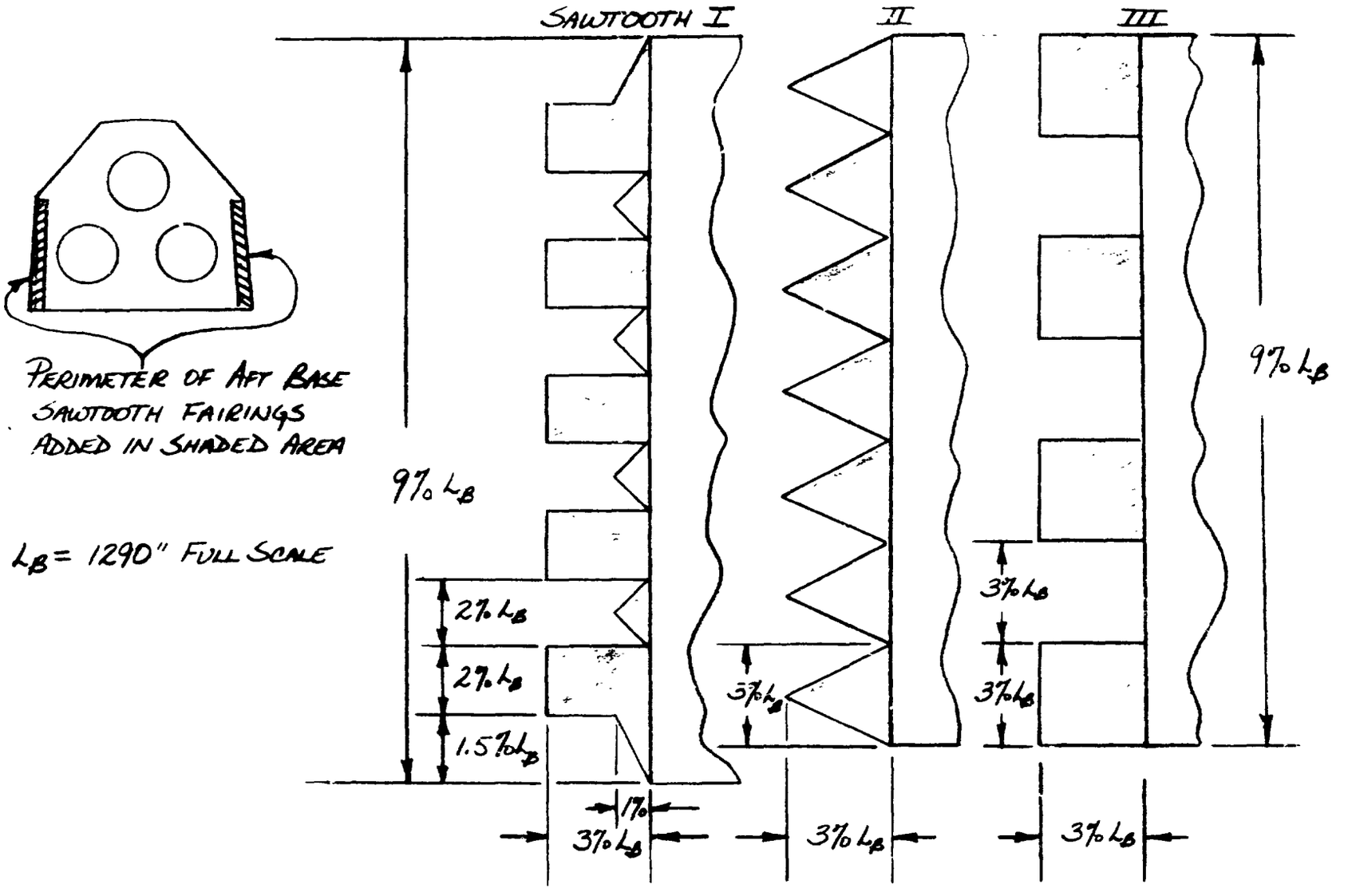

e. Base Ventilation Turning Vanes - Detail (not to scale)

Figure 2. - Continued.




f. Freestream Ram Air Bleed to Base (not to scale)

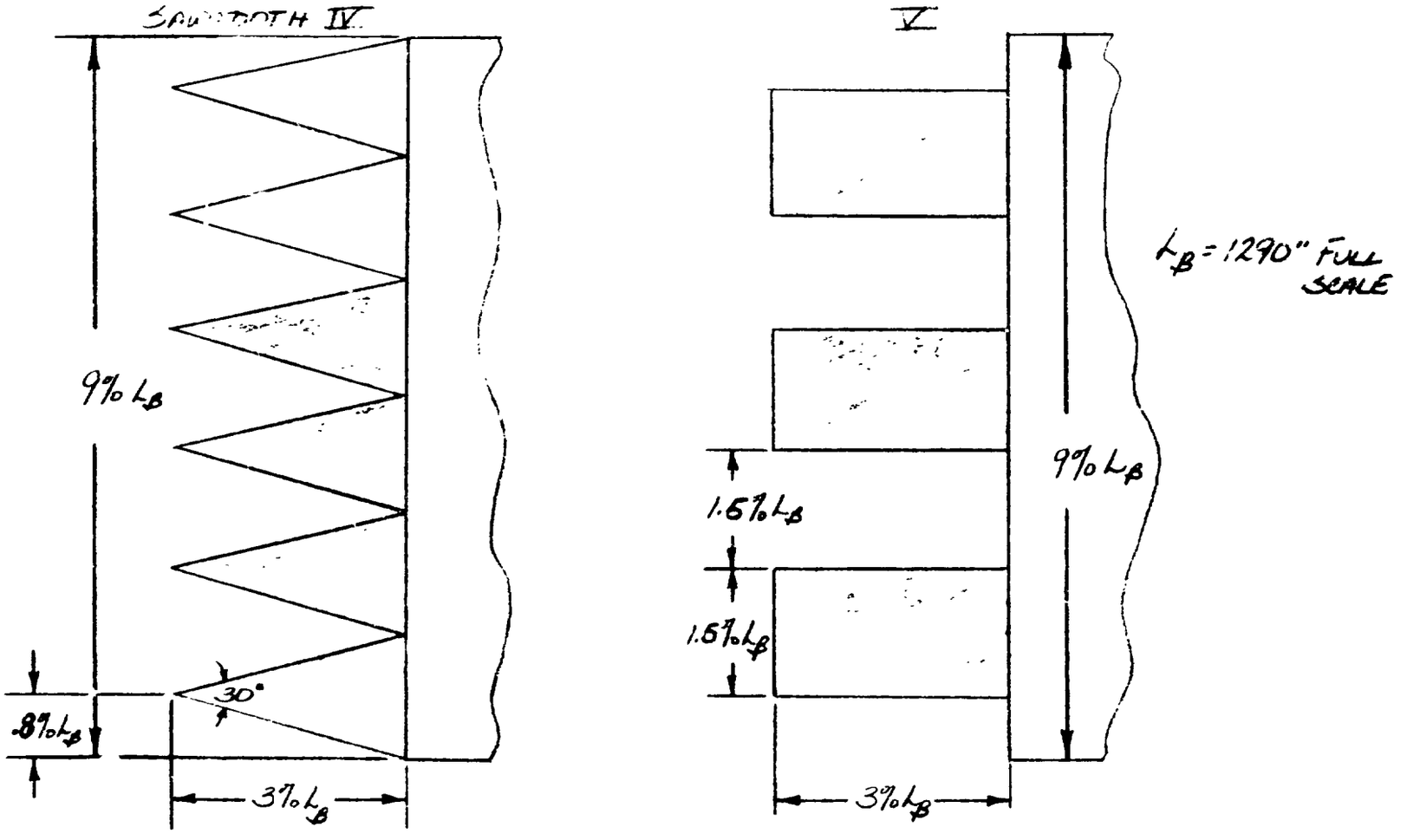
Figure 2. - Continued.




g. Detail of Sawtooth Extensions (Drag Reduction Devices)
(not to scale)
Figure 2. - Continued.



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.




g. Detail of Sawtooth Extensions (Drag Reduction Devices) (Concluded)
(not to scale)
Figure 2. - Continued.



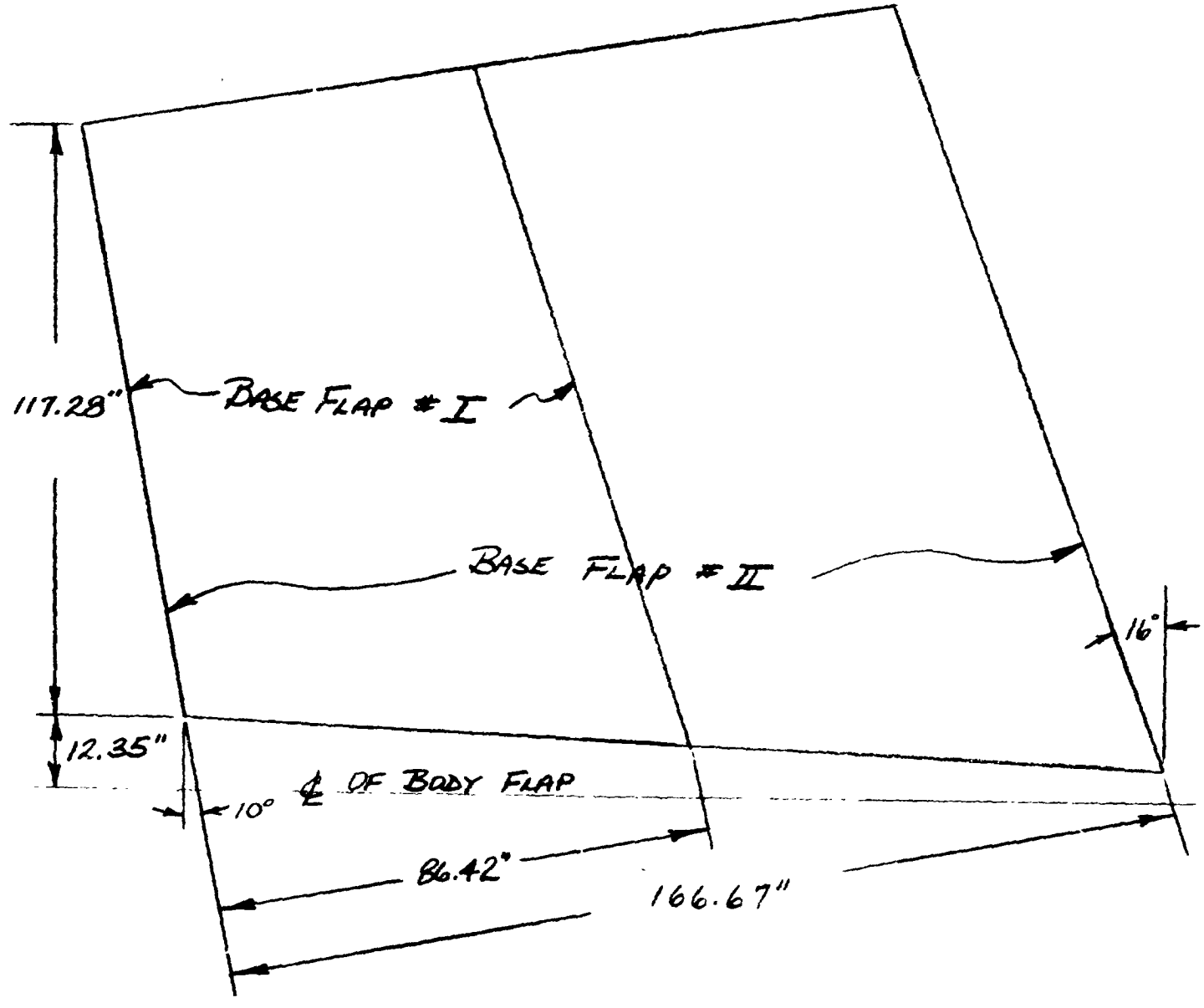
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.




h. Example of Base Drag Reduction Devices (not to scale)

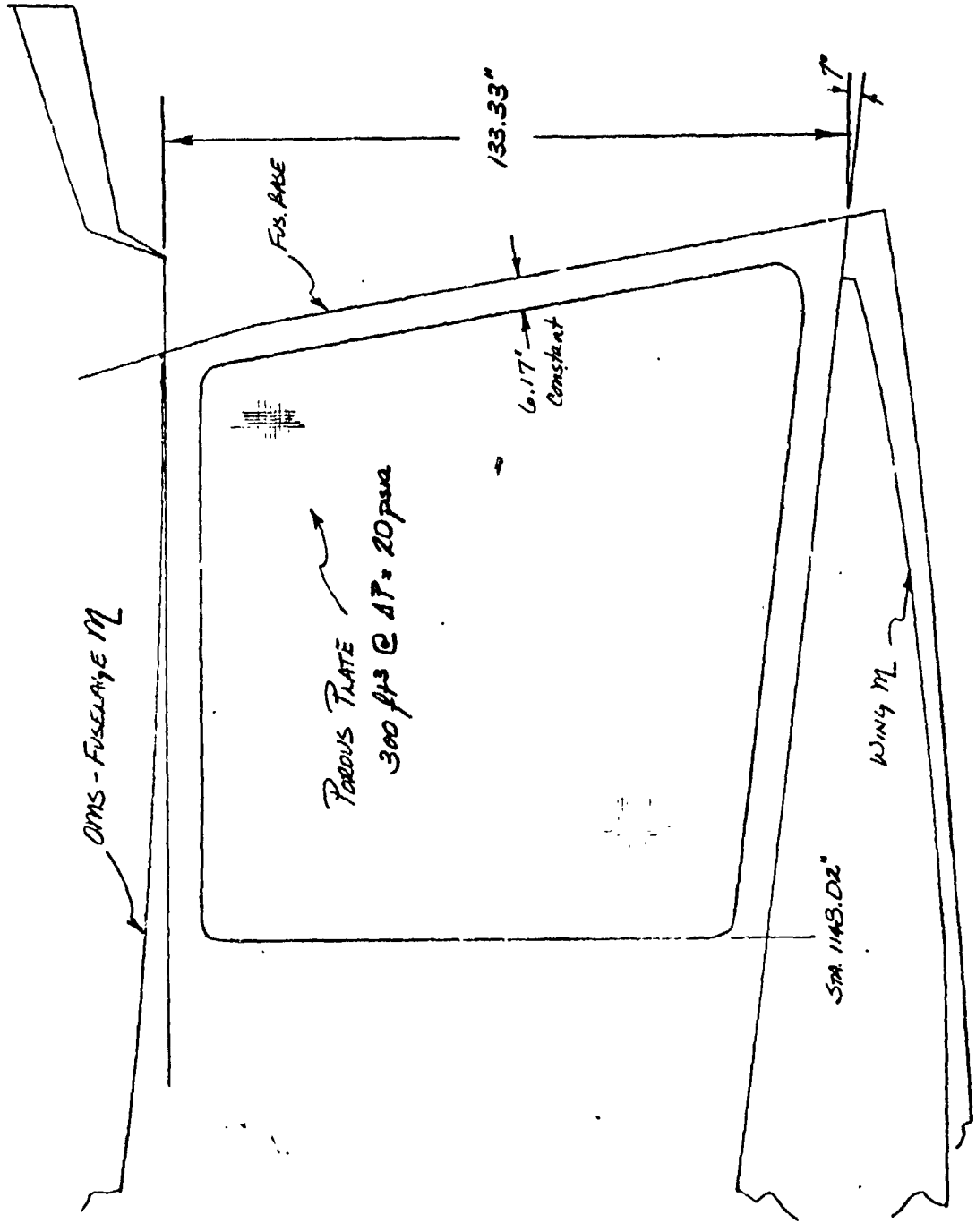
Figure 2. - Continued.




i. Base Flaps (not to scale)

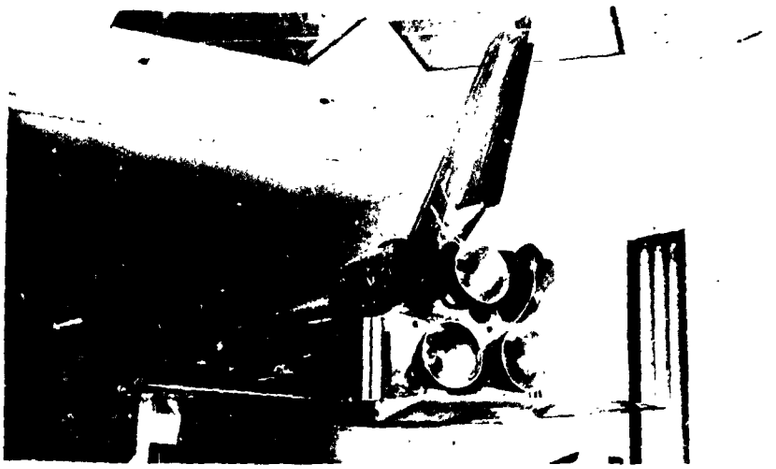
Figure 2. - Continued.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

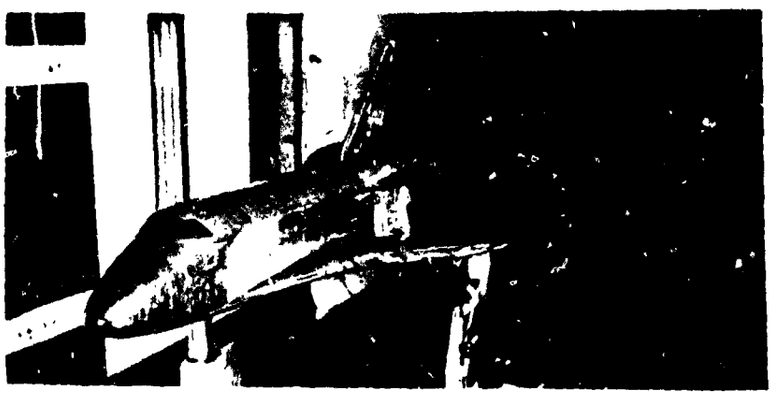



j. Fuselage Porous Plate Installation

Figure 2. - Concluded.

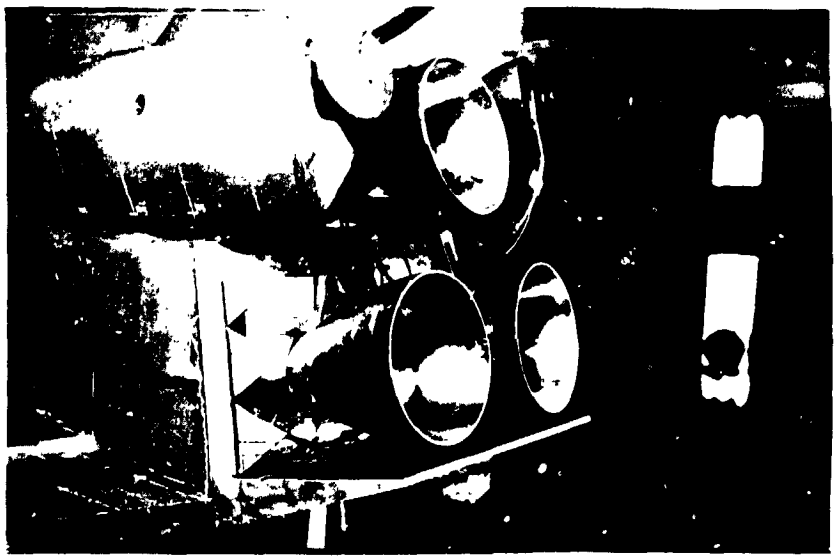


a. NAAL Installation, Rear View Configuration $B_{28}C_9M_7F_8W_{116}E_{26}V_8R_5X_9$



b. NAAL Installation, Front View Configuration $B_{50}C_9M_7F_8W_{116}E_{26}V_8R_5X_9$

Figure 3. - Model Photographs.



c. NAAL Installation, Rear View Configuration $B_{30}C_9M_7F_8W_{116}E_{26}V_8R_5X_9$



d. NAAL Installation, Rear View Configuration $B_{51}C_9M_7W_{116}E_{26}V_8R_5X_9$

Figure 3. - Concluded.

DATA FIGURES

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX011) | □ | 0A86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (ADX016) | ⋈ | 0A86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (ADX021) | △ | 0A86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

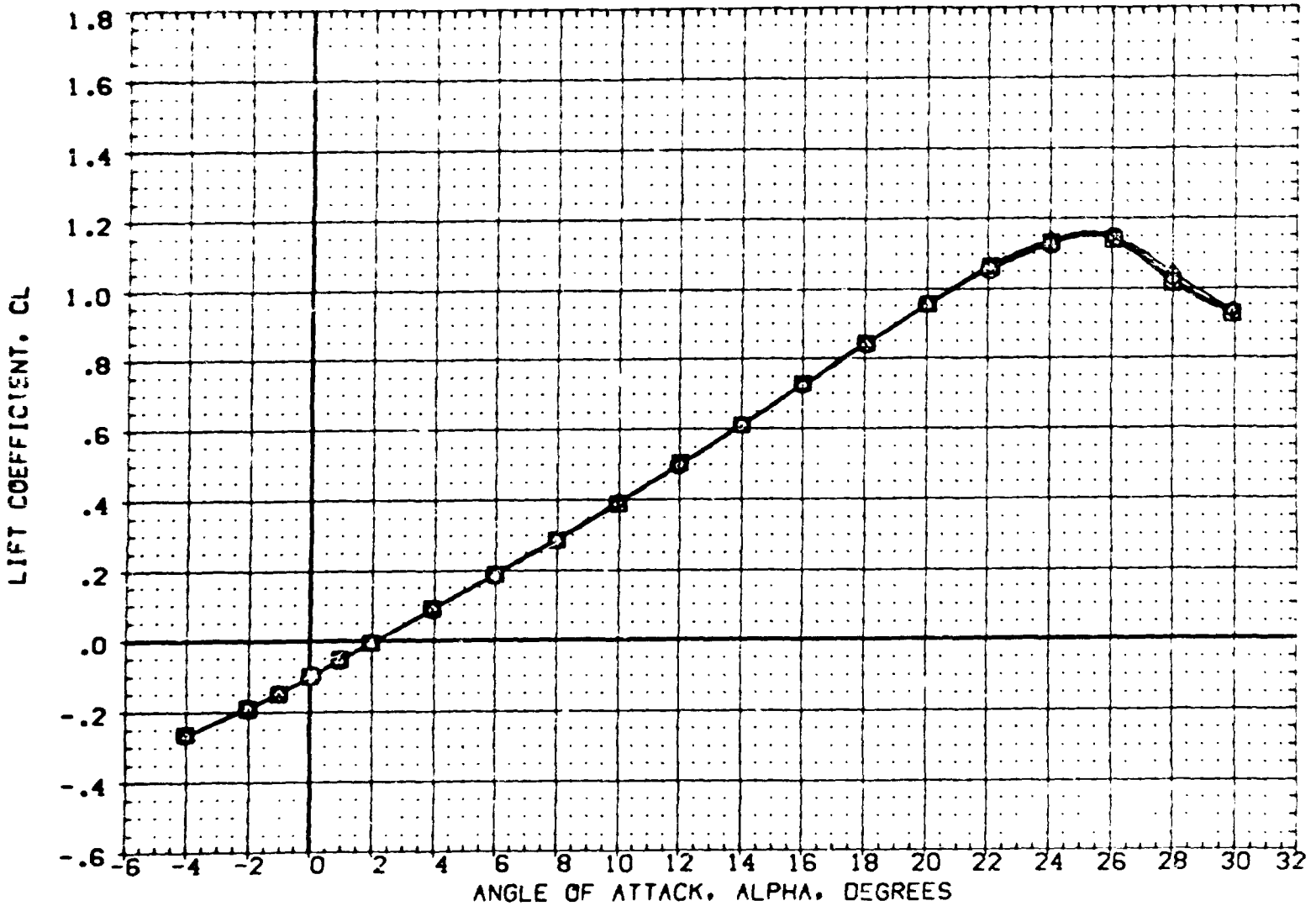



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX011) | □ | 0A86 | B29C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX016) | ◇ | 0A86 | B30C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX021) | △ | 0A86 | B31C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

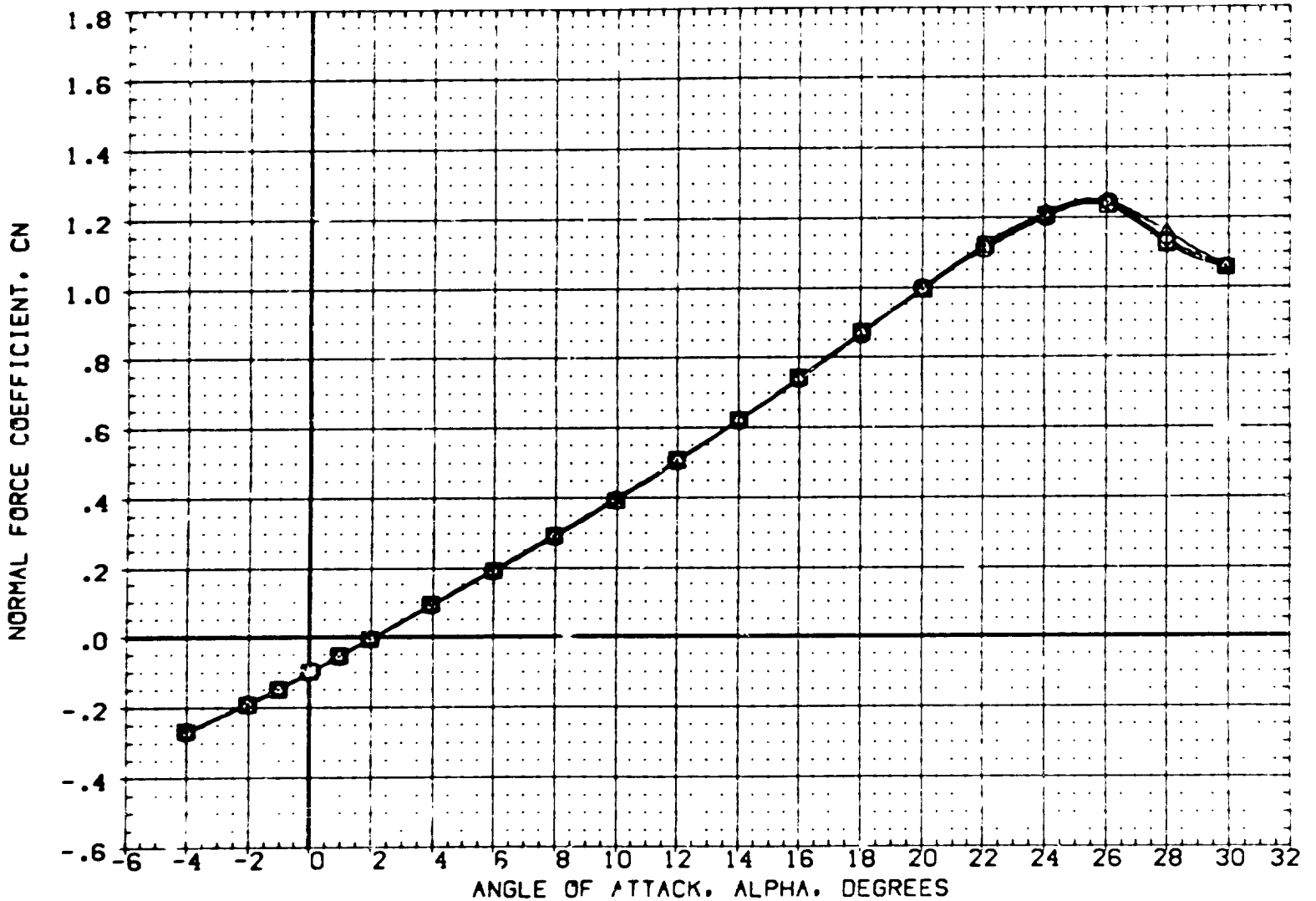



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOX001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (AOX011) | ⊠ | 0A86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (AOX016) | ⊠ | 0A86 | B30C9 | M7F8 | W116E26V8R5X5 |
| (AOX021) | △ | 0A86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

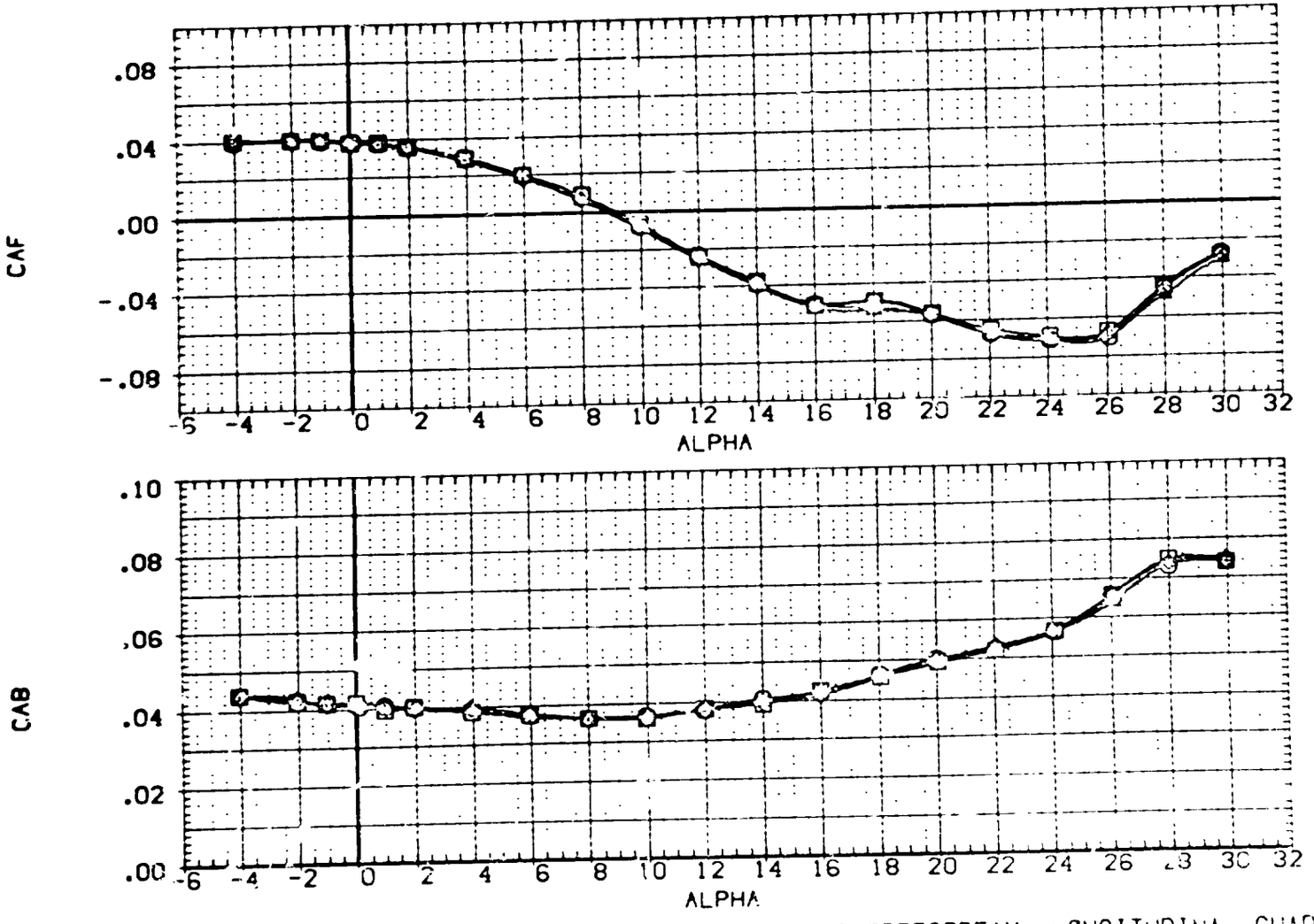



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX011) | ◇ | 0A86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (ADX016) | ⊠ | 0A86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (ADX021) | △ | 0A86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5071 | INCHES |
| YMRP | .0500 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

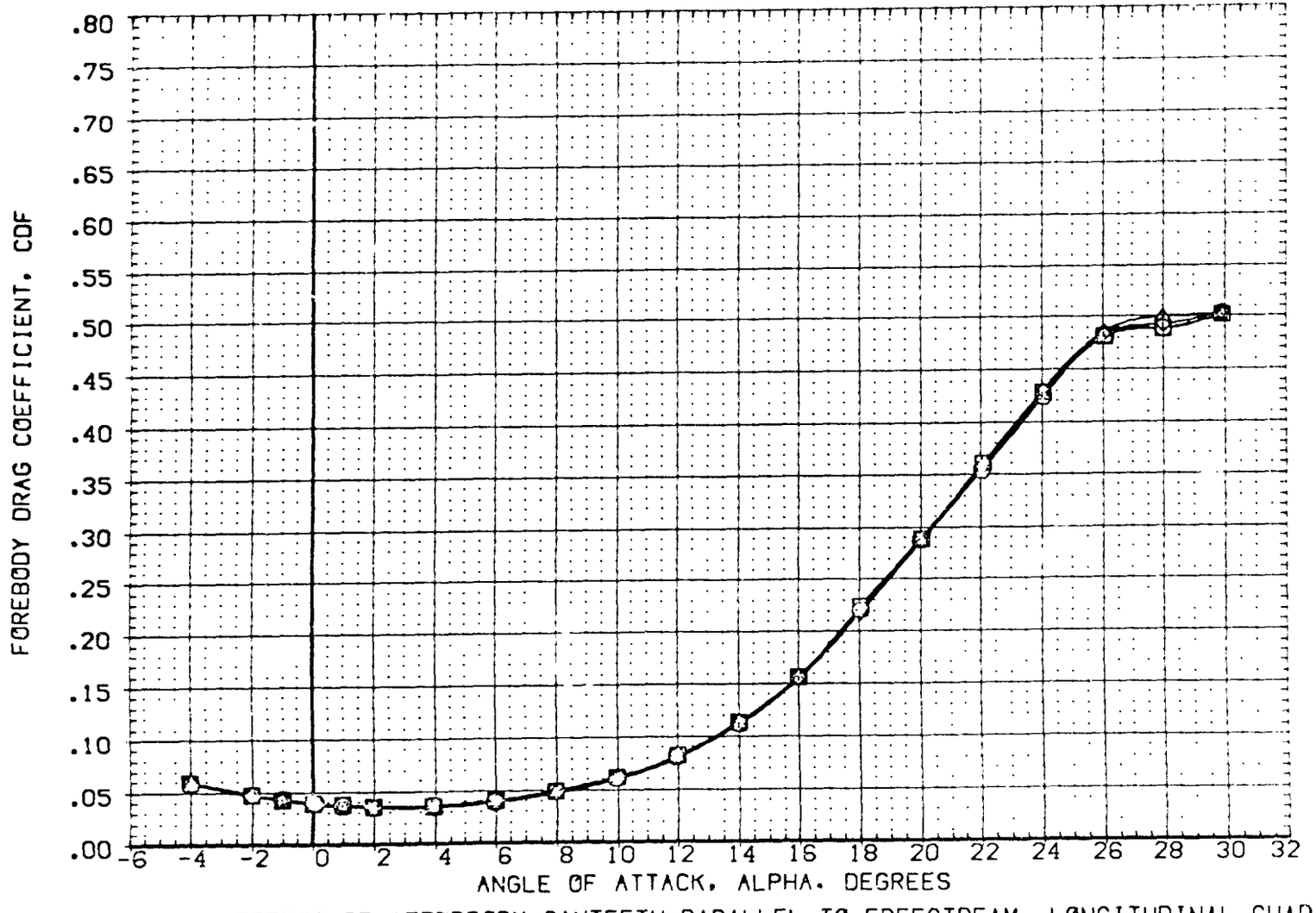



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX011) | □ | OA86 | B29C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX016) | ◇ | OA86 | B30C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX021) | △ | OA86 | B31C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

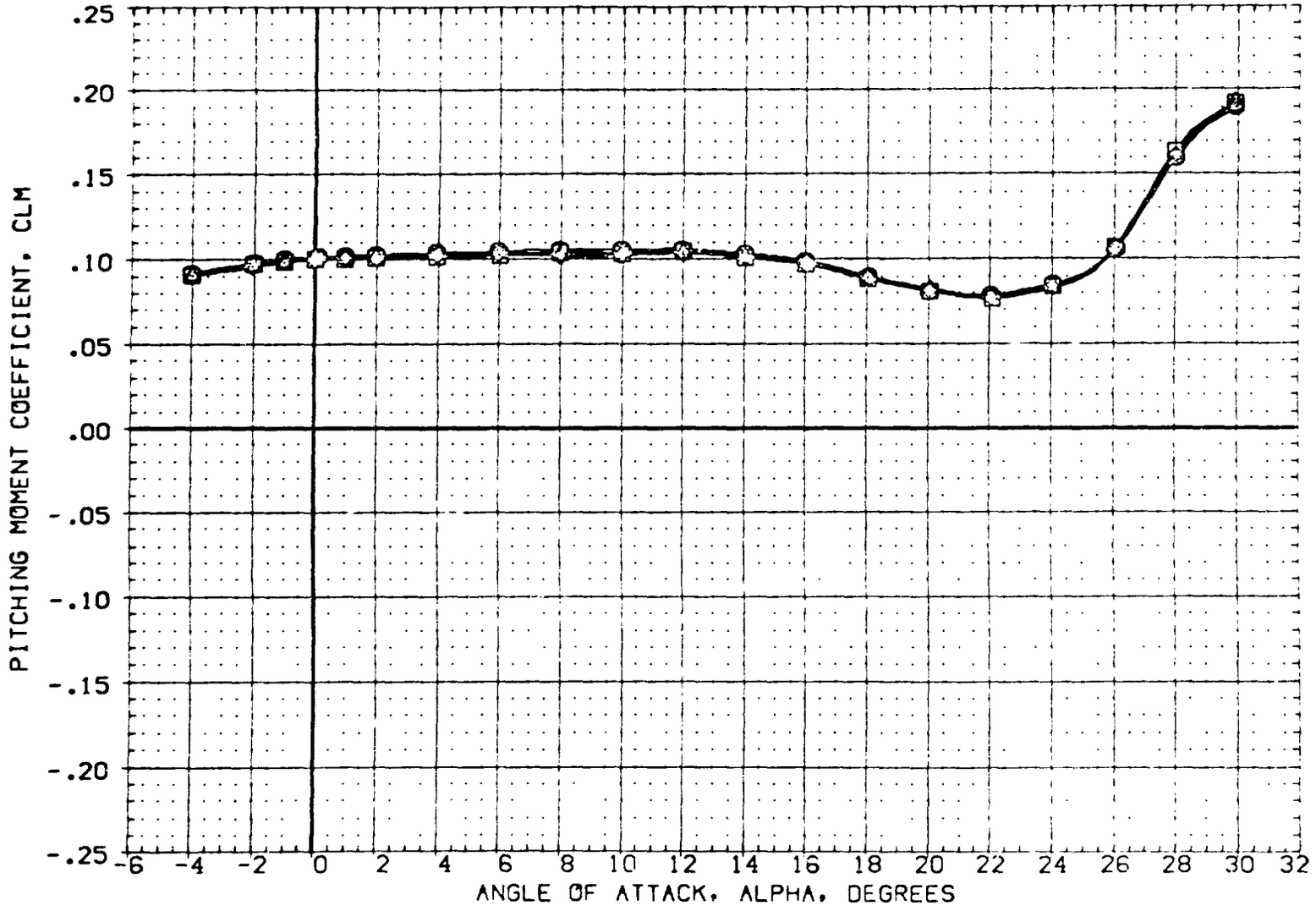



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX013) | □ | OA86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (ADX016) | ◇ | OA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (ADX021) | △ | OA86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

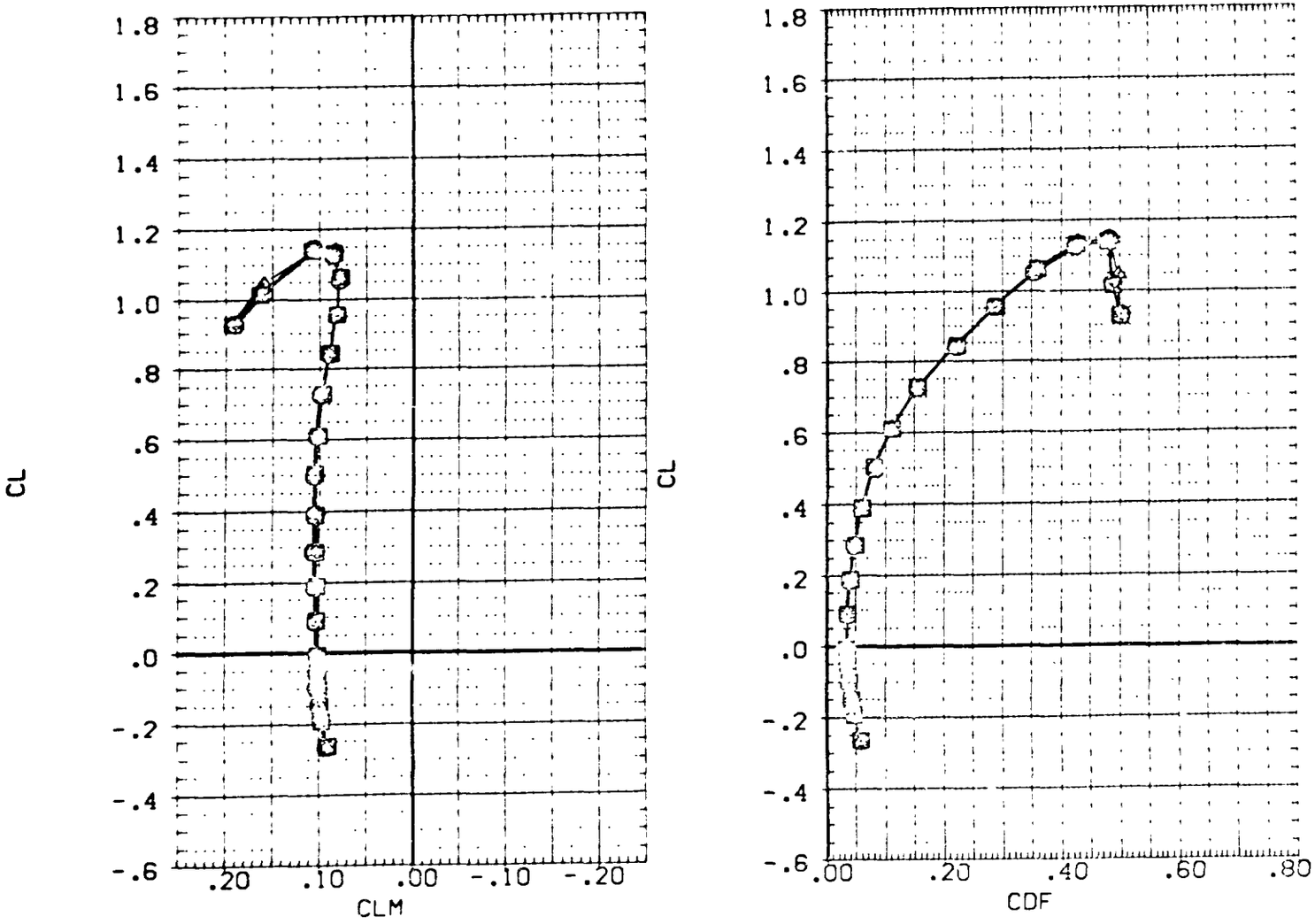



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

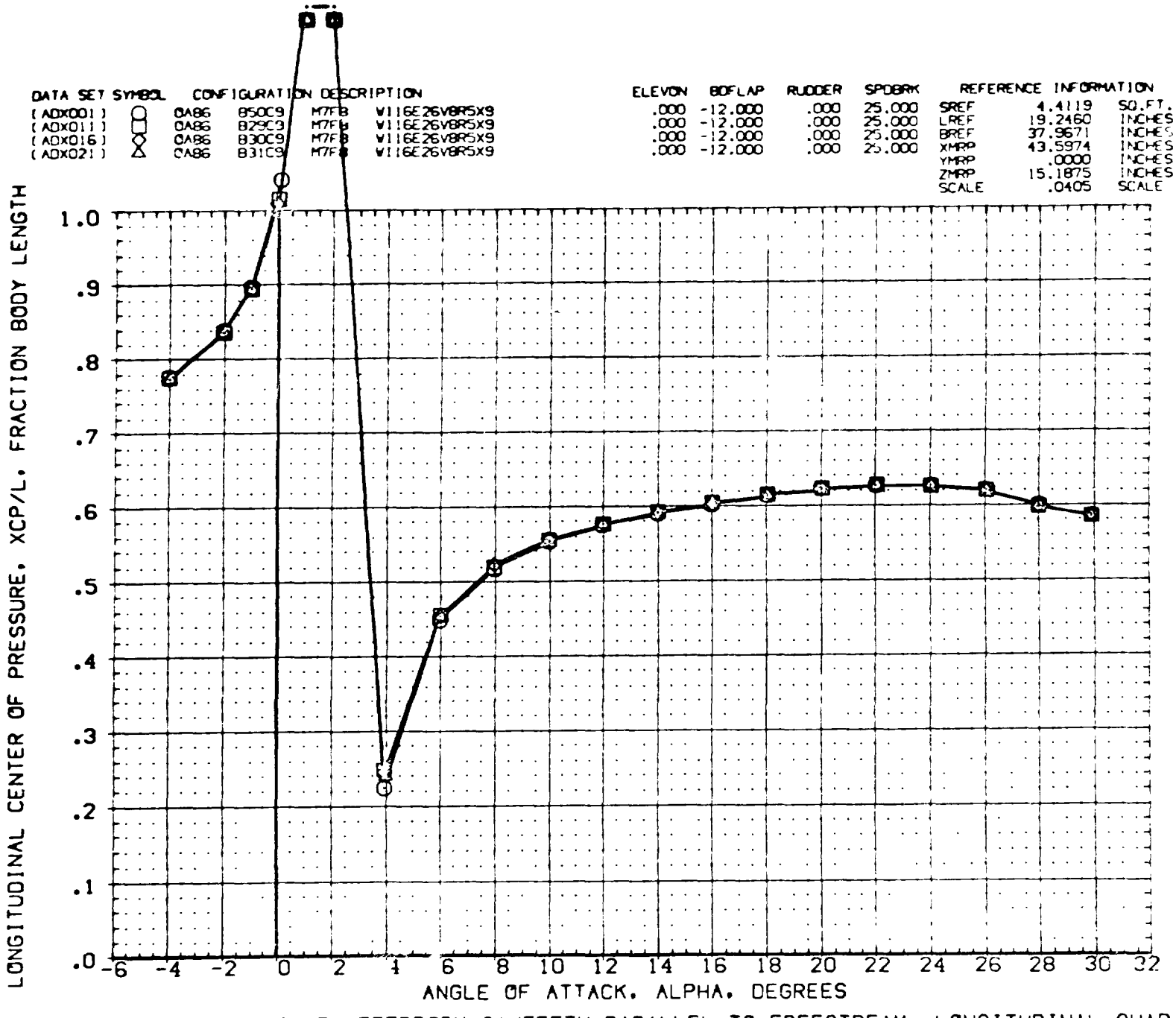



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADXCC[ ]) | | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADXC[1]) | | CA86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (ADXC[6]) | | CA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (ADXC2[ ]) | | CA86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

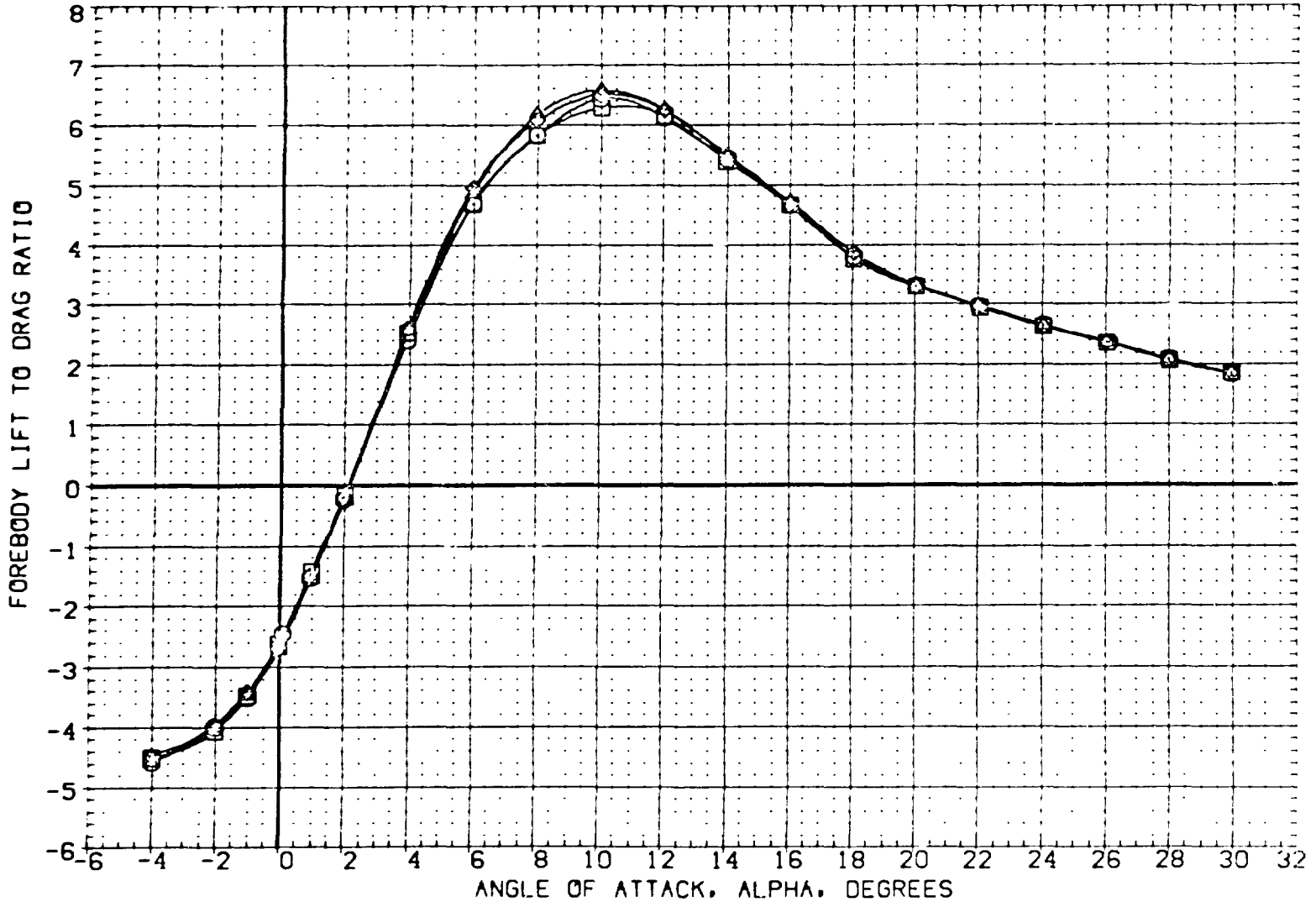



FIG 4 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX002) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX012) | □ | 0A86 | B29C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX017) | ◇ | 0A86 | B30C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX022) | △ | 0A86 | B31C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

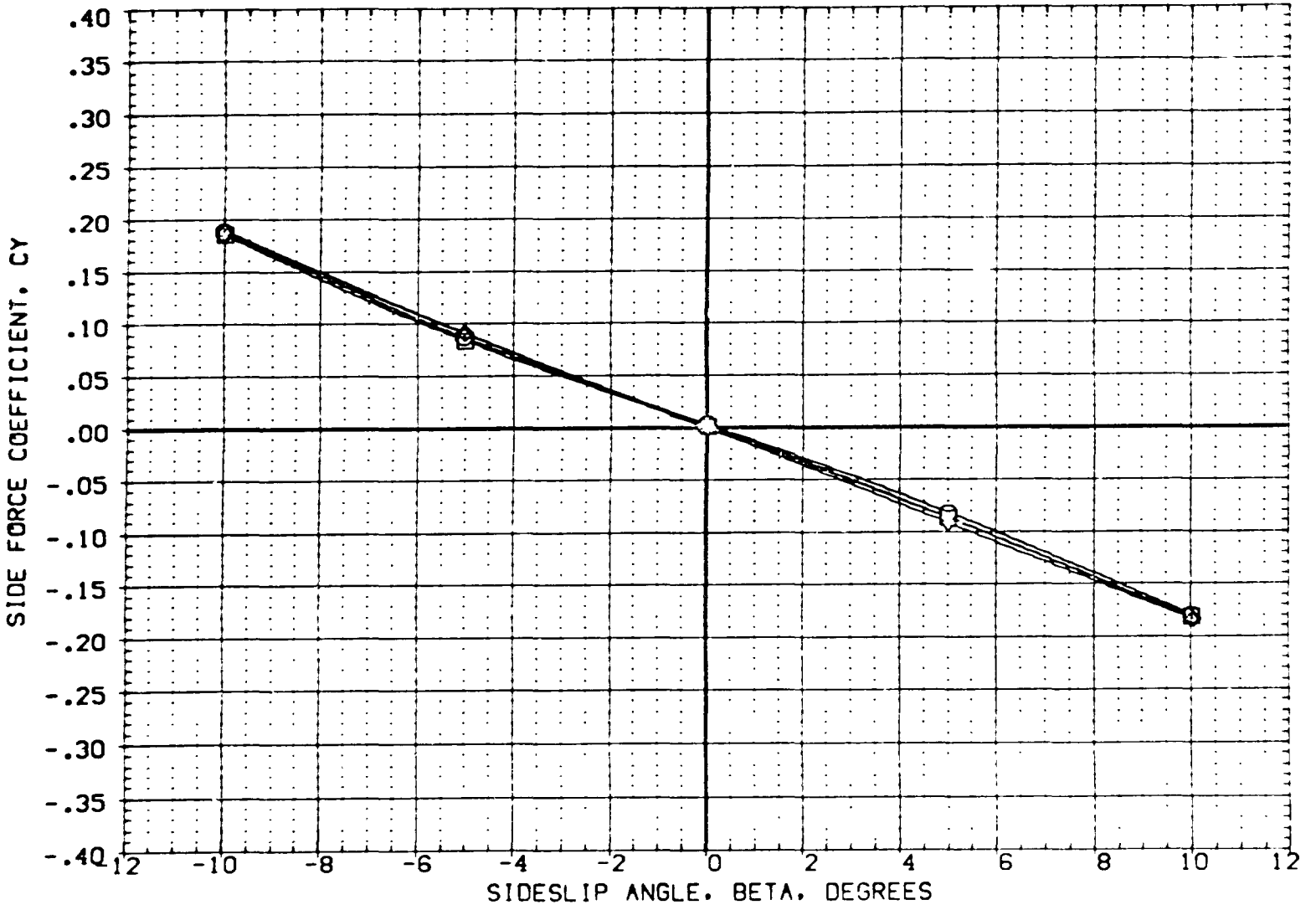



FIG 5 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 0 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDx002) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDx012) | ◇ | CA86 | B29C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDx017) | △ | CA86 | B30C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDx022) | ⊲ | CA86 | B31C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

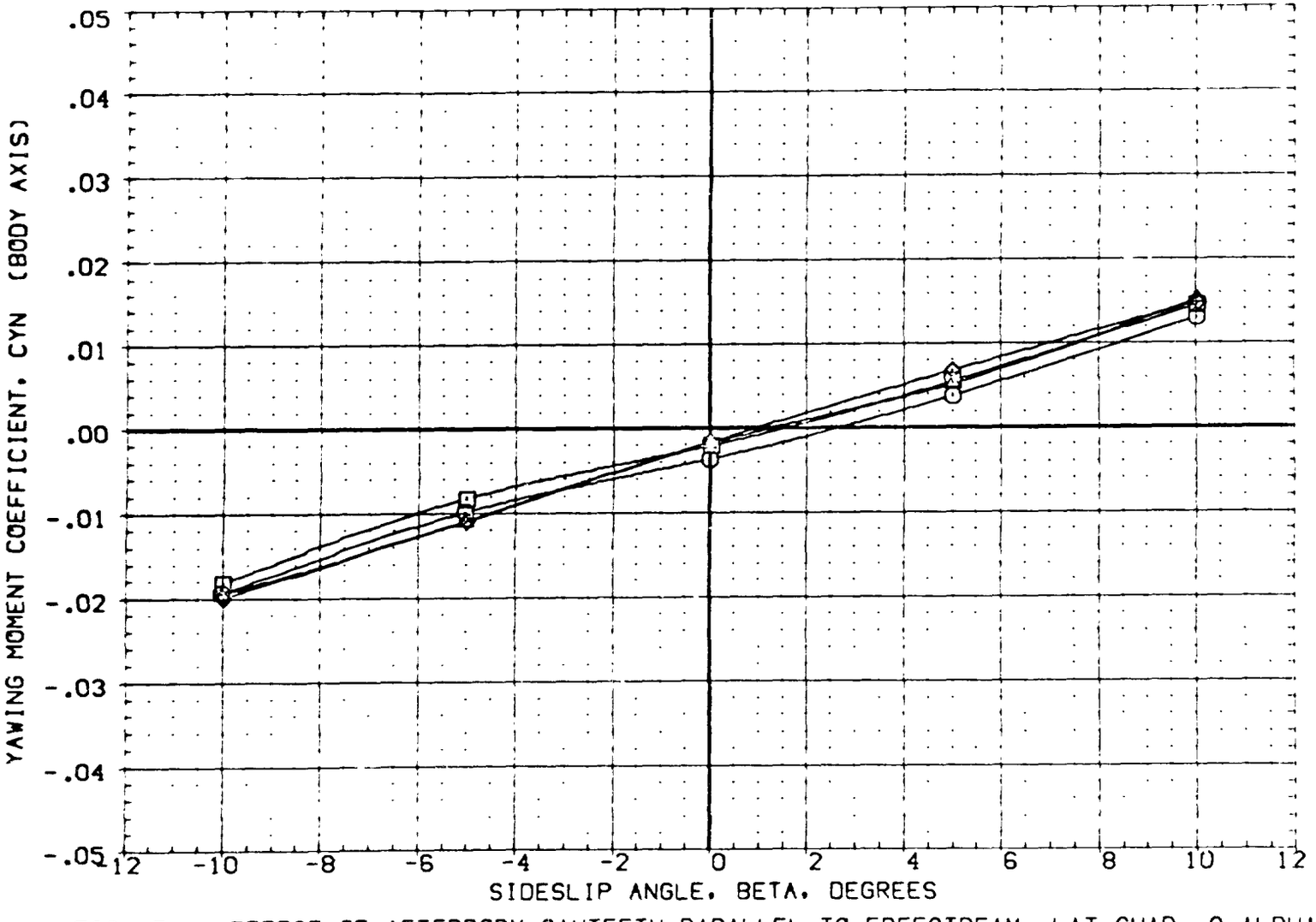



FIG 5 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 0 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX002) | | 0AB6 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX012) | | 0AB6 | B29C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX017) | | 0AB6 | B30C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX022) | | 0AB6 | B31C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

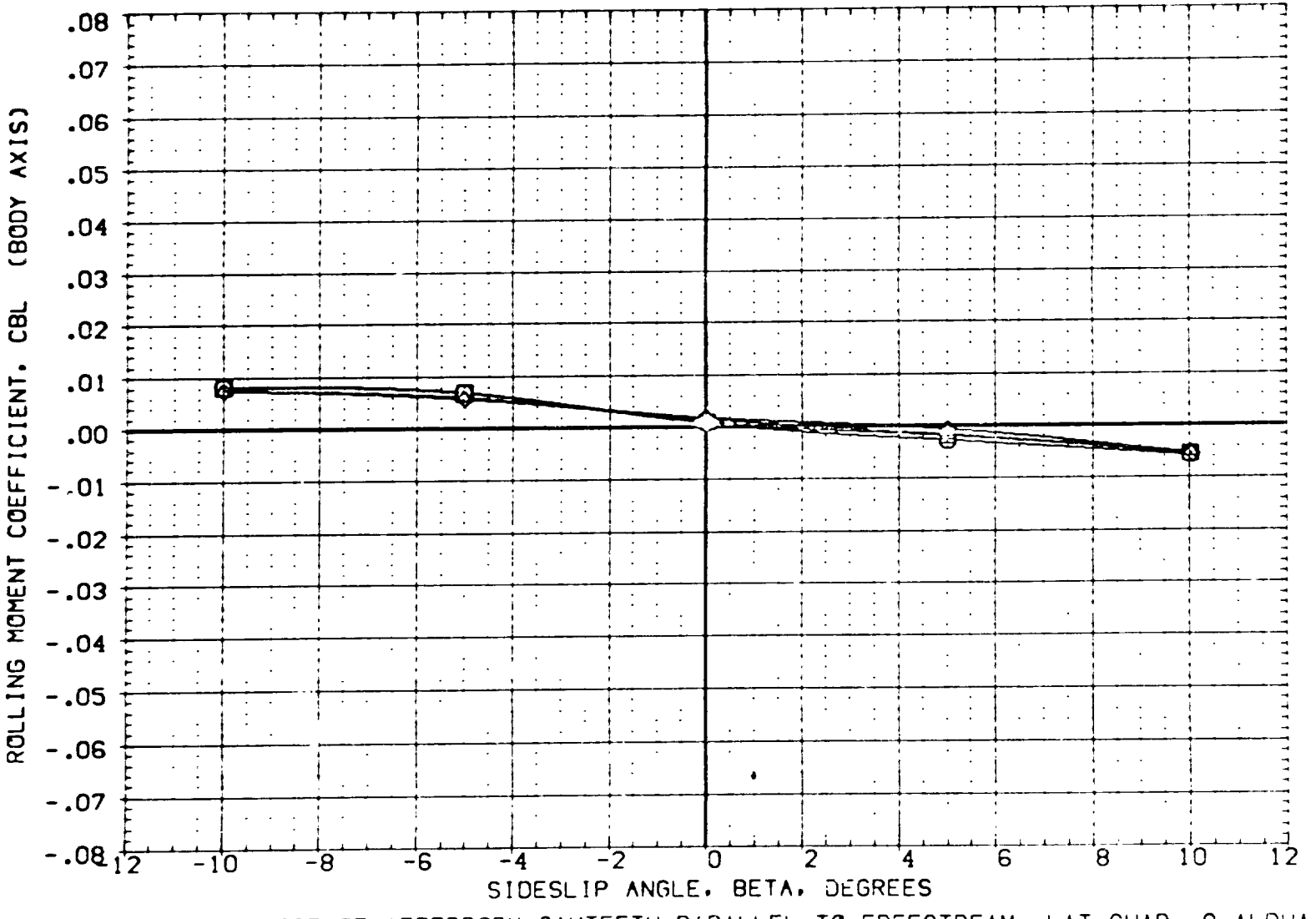



FIG 5 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 0 ALPHA

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX003) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RDX013) | □ | OA86 | B29C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RDX018) | ⋈ | OA86 | B30C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RDX023) | △ | OA86 | B31C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

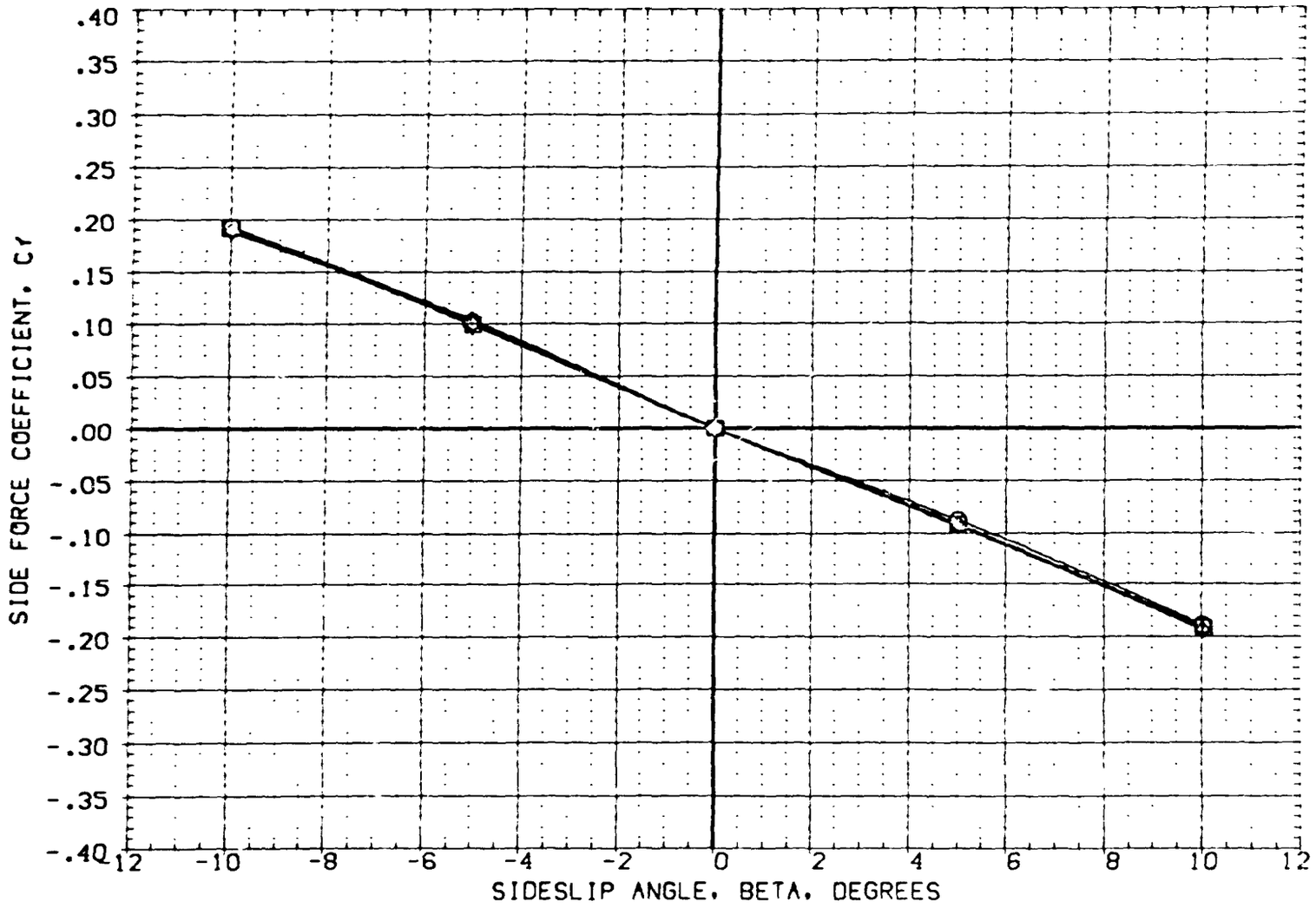



FIG 6 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 5 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX003) | ○ | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (RDX013) | □ | 0A86 | 829C9 | M7F8 | W116L26V8R5X9 |
| (RDX018) | ◇ | 0A86 | 830C9 | M7F8 | W116E26V8R5X9 |
| (RDXC23) | △ | 0A86 | 831C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

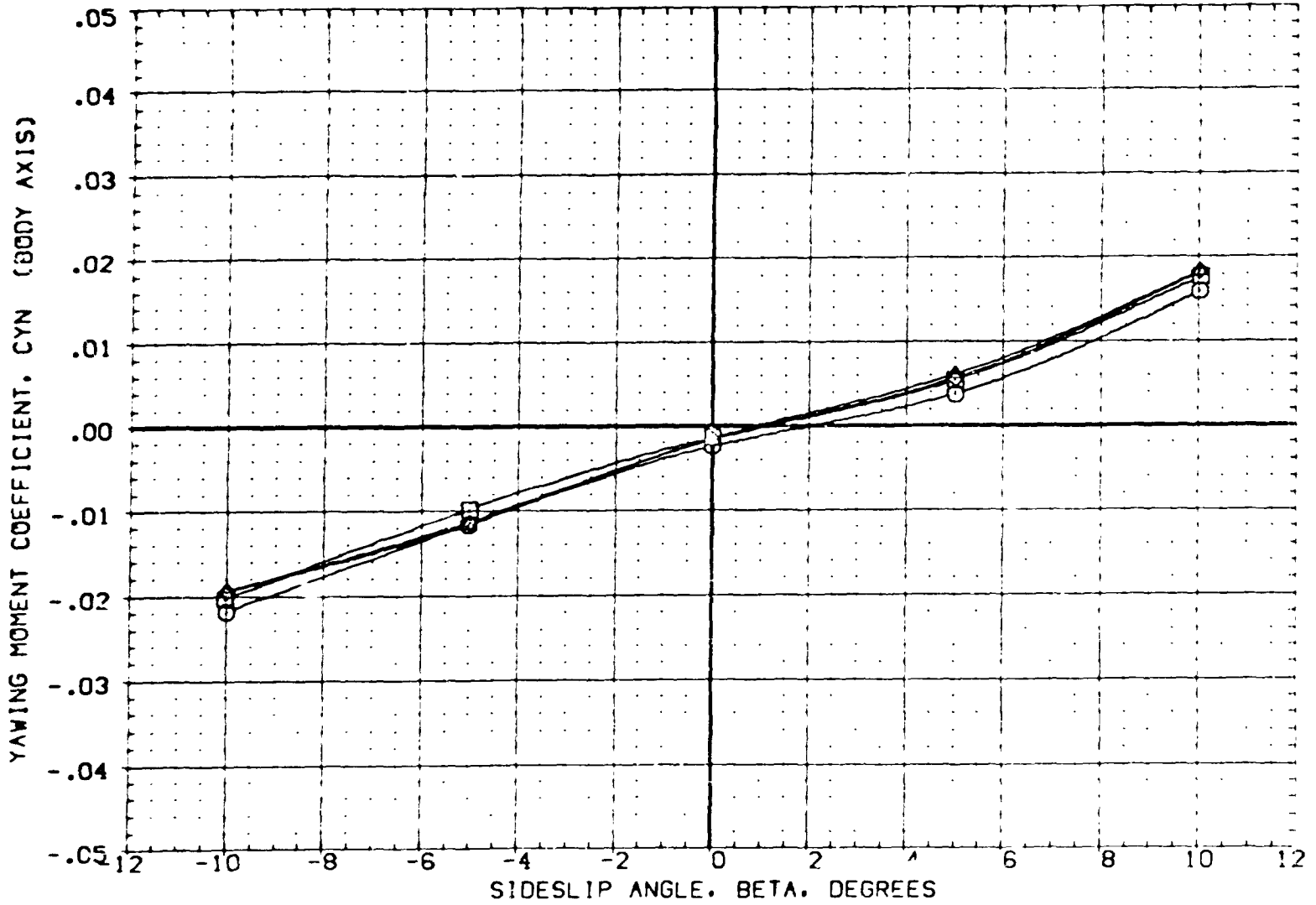



FIG 6 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 5 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RQXC03) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RQXC13) | ◇ | CA86 | B29C9 | M7F8 | W116E2CV8R5X9 |
| (RQXC18) | △ | CA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (RQXC23) | ▽ | CA86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040S | SCALE |

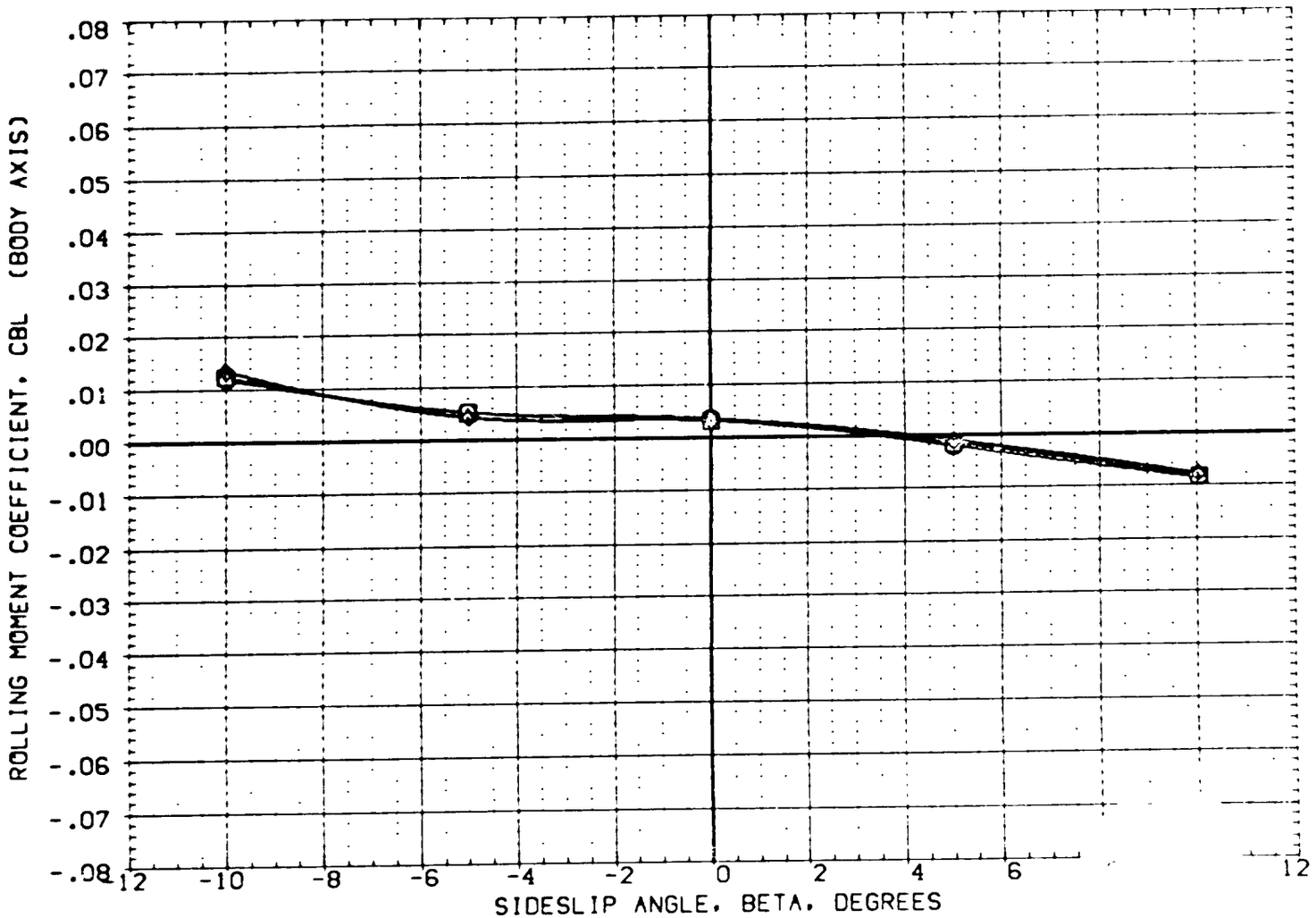



FIG 6 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 5 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX004) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCX014) | ◇ | CA86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (RCX019) | ⊠ | CA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (RCX024) | △ | CA86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

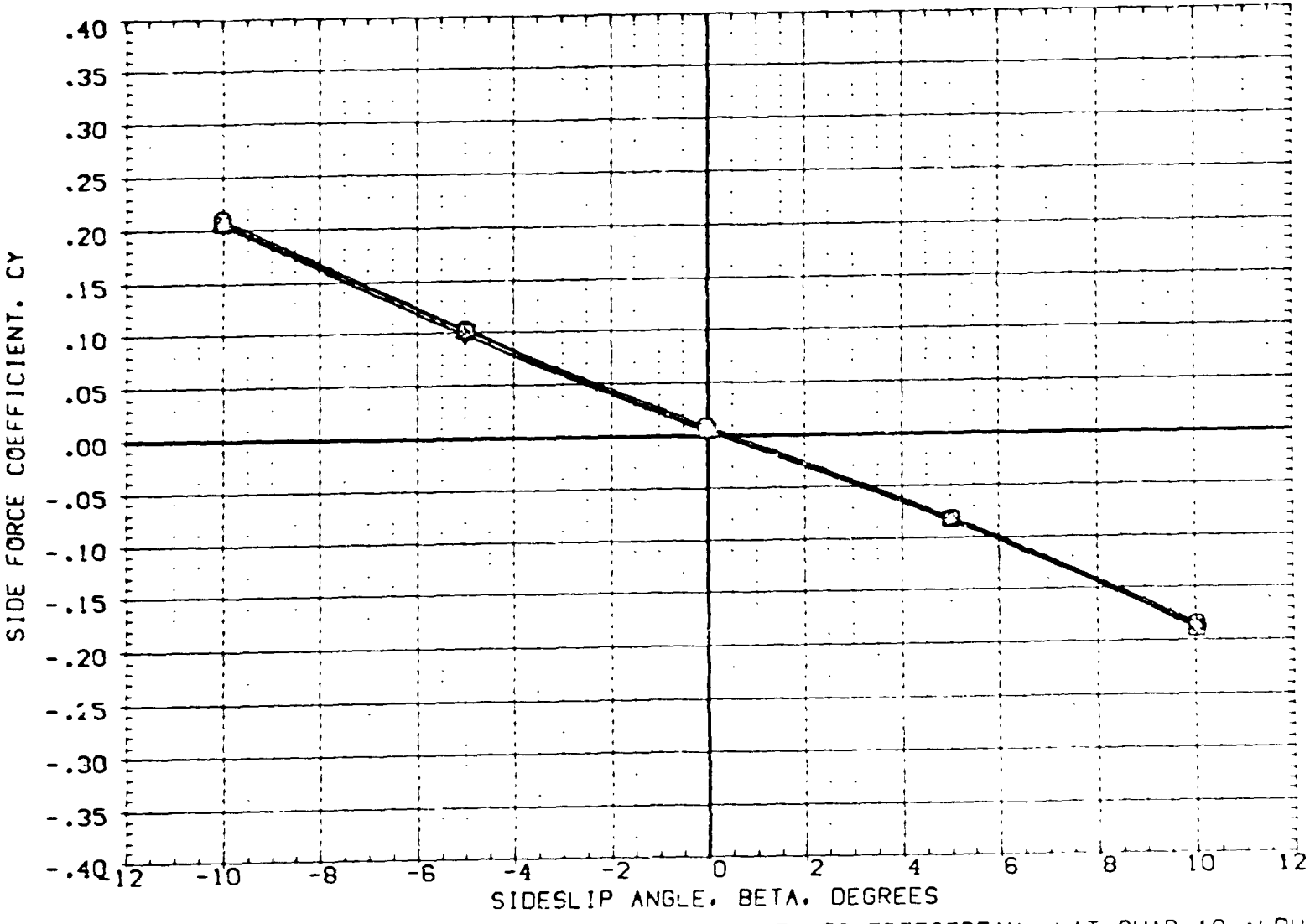



FIG 7 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 10 ALPHA

(A[illegible] = .20

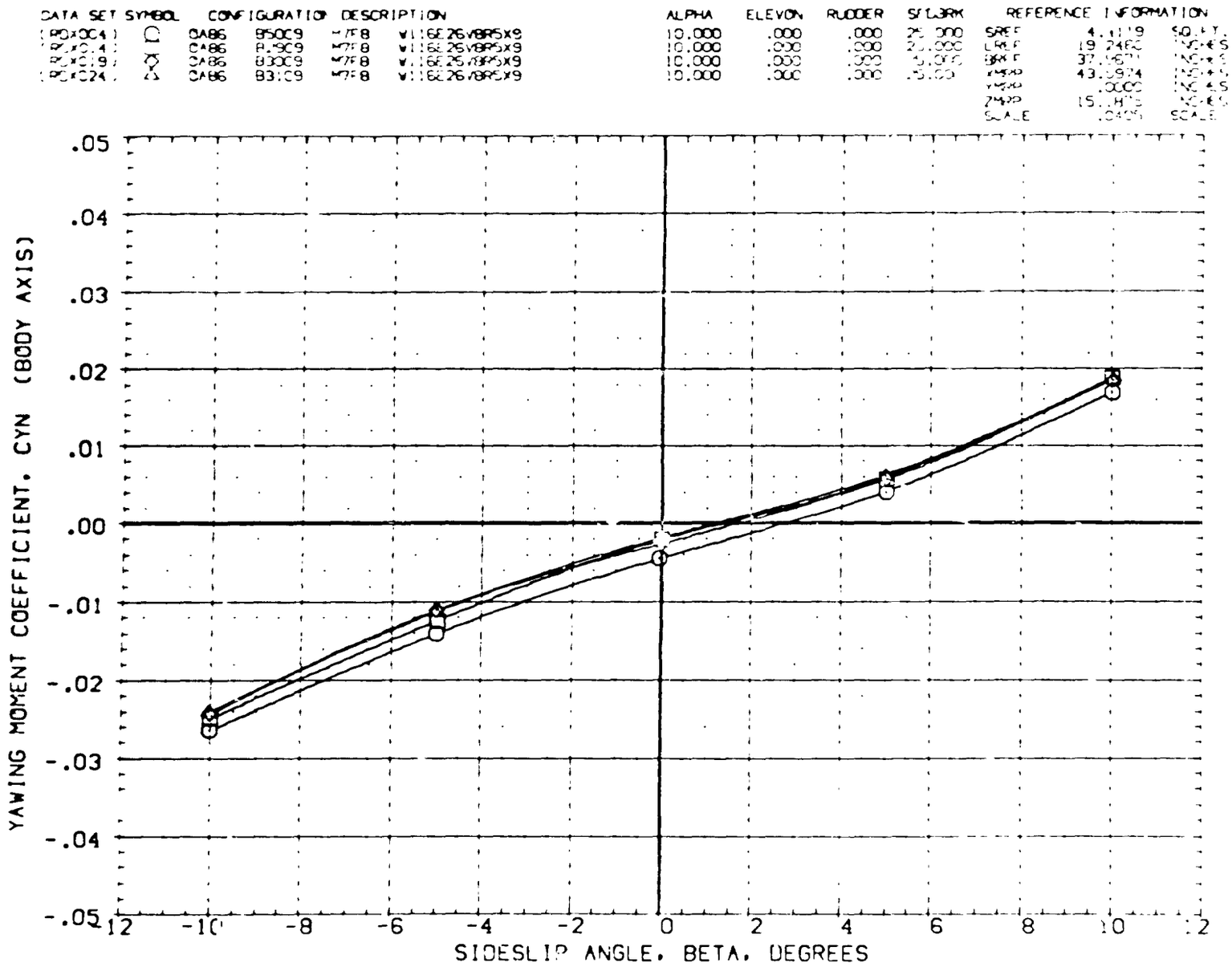



FIG 7 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM LAT CHAR 10 _PHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX004) | □ | DA86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX014) | ○ | DA86 | B29C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX019) | ◇ | DA86 | B30C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX024) | △ | DA86 | B31C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

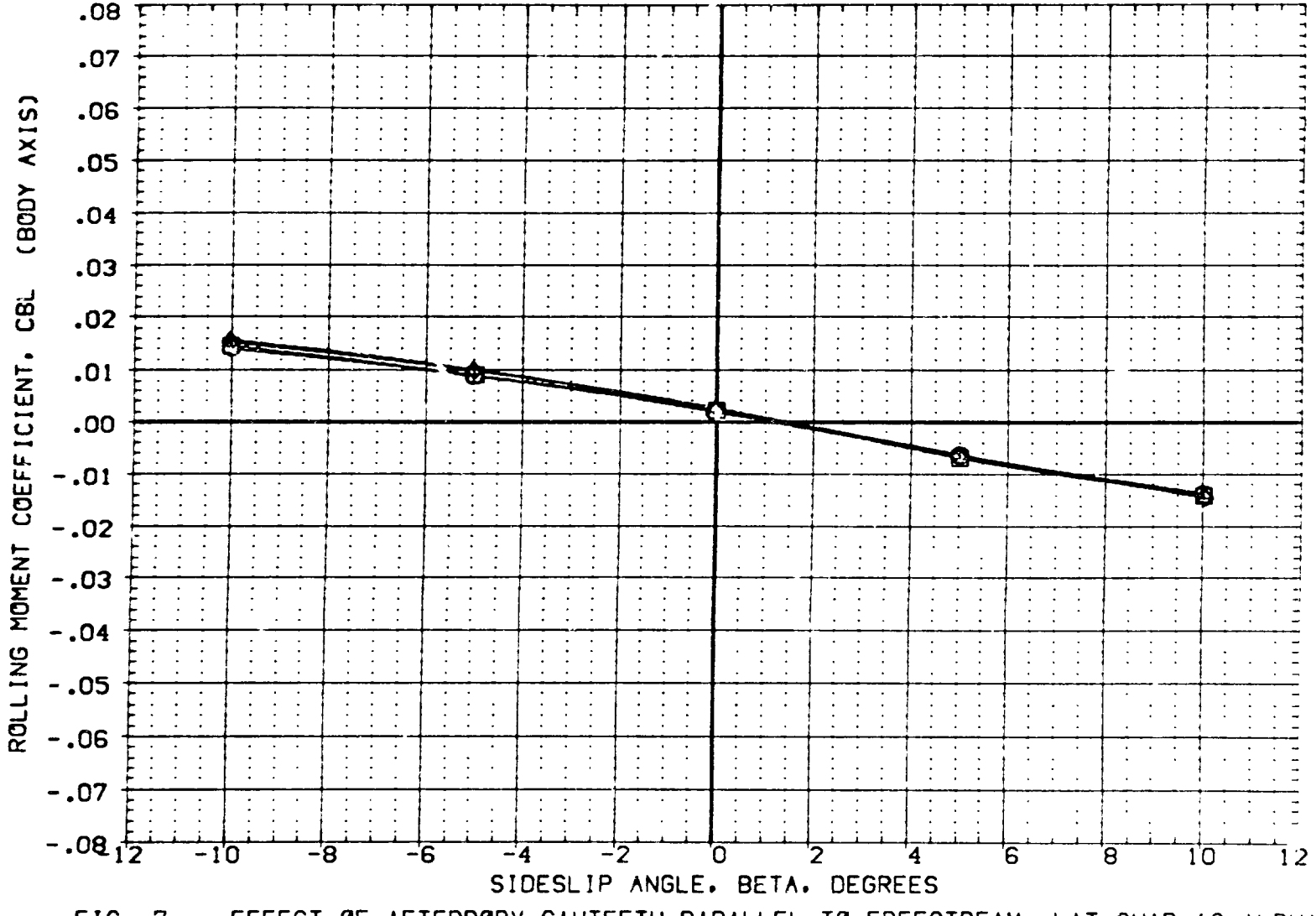



FIG 7 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 10 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX005) | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX015) | | 0A86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (ROX020) | | 0A86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (ROX025) | | 0A86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

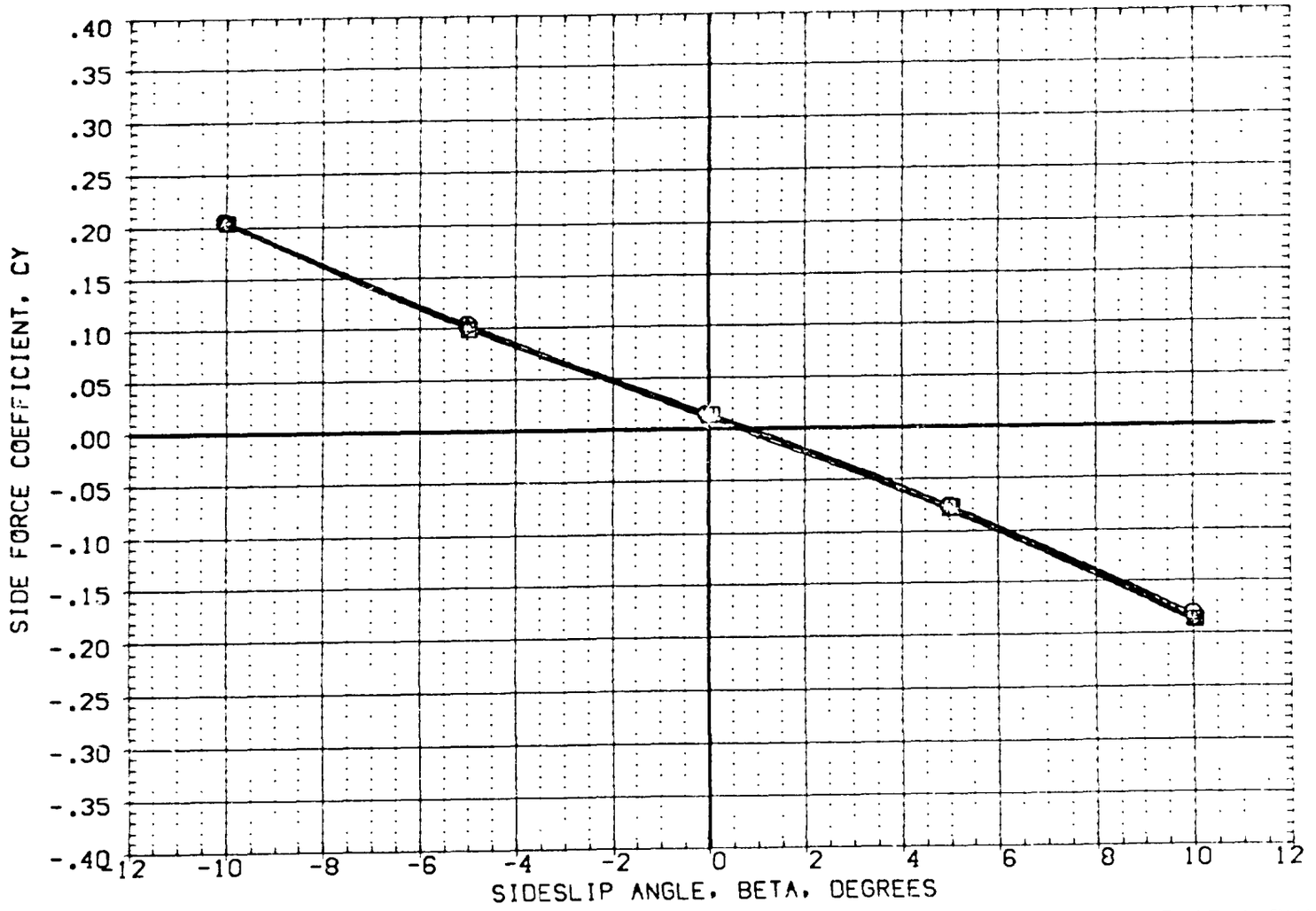



FIG 8 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 15 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX005) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX015) | □ | OA86 | B29C9 | M7F8 | W116E26V8R5X9 |
| (ROX020) | ◇ | OA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (ROX025) | △ | OA86 | B31C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPLBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

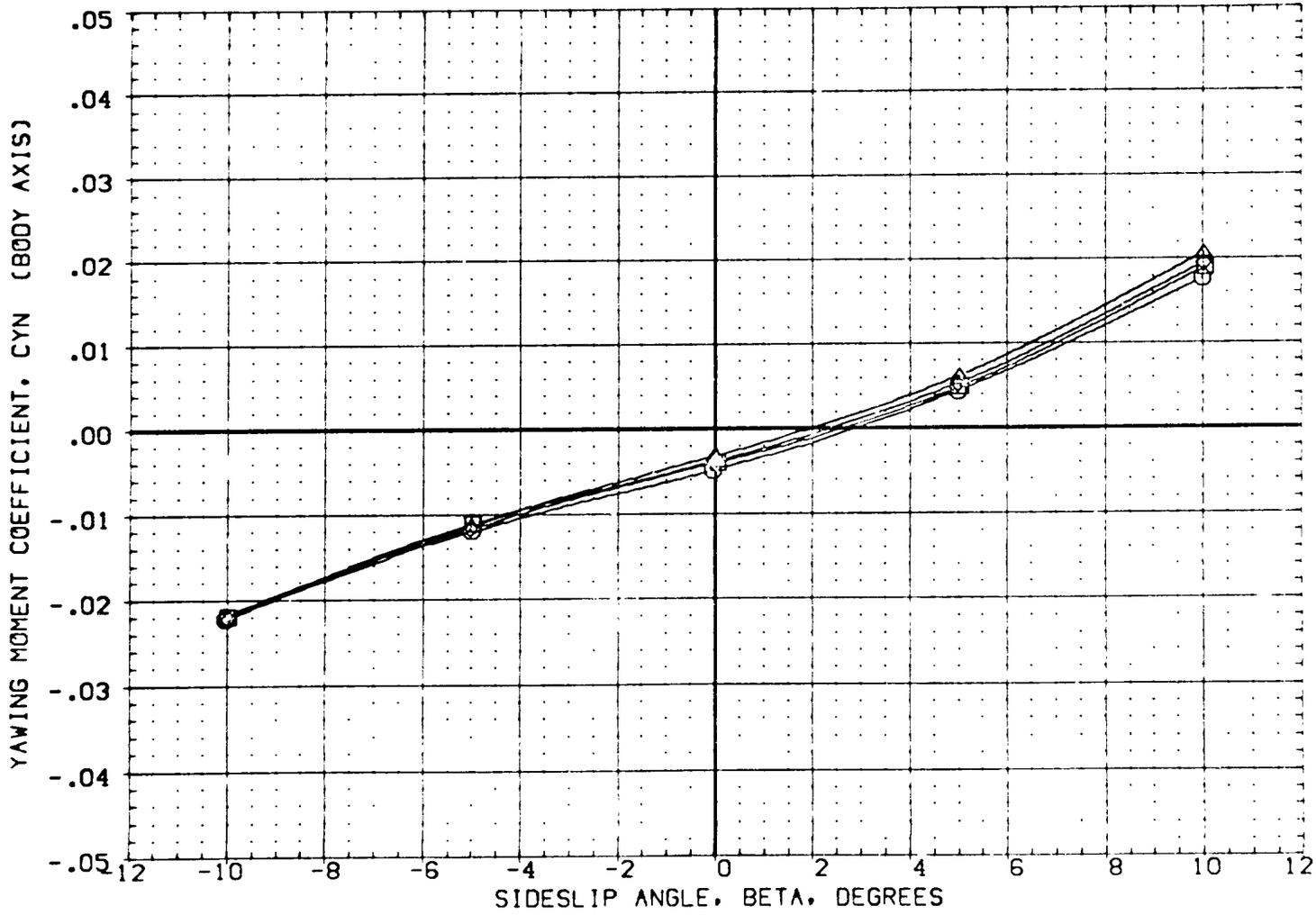



FIG 8 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 15 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX005) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |
| (RDX015) | ◇ | OA86 | B29C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |
| (RDX020) | ▽ | OA86 | B30C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |
| (RDX025) | △ | OA86 | B31C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

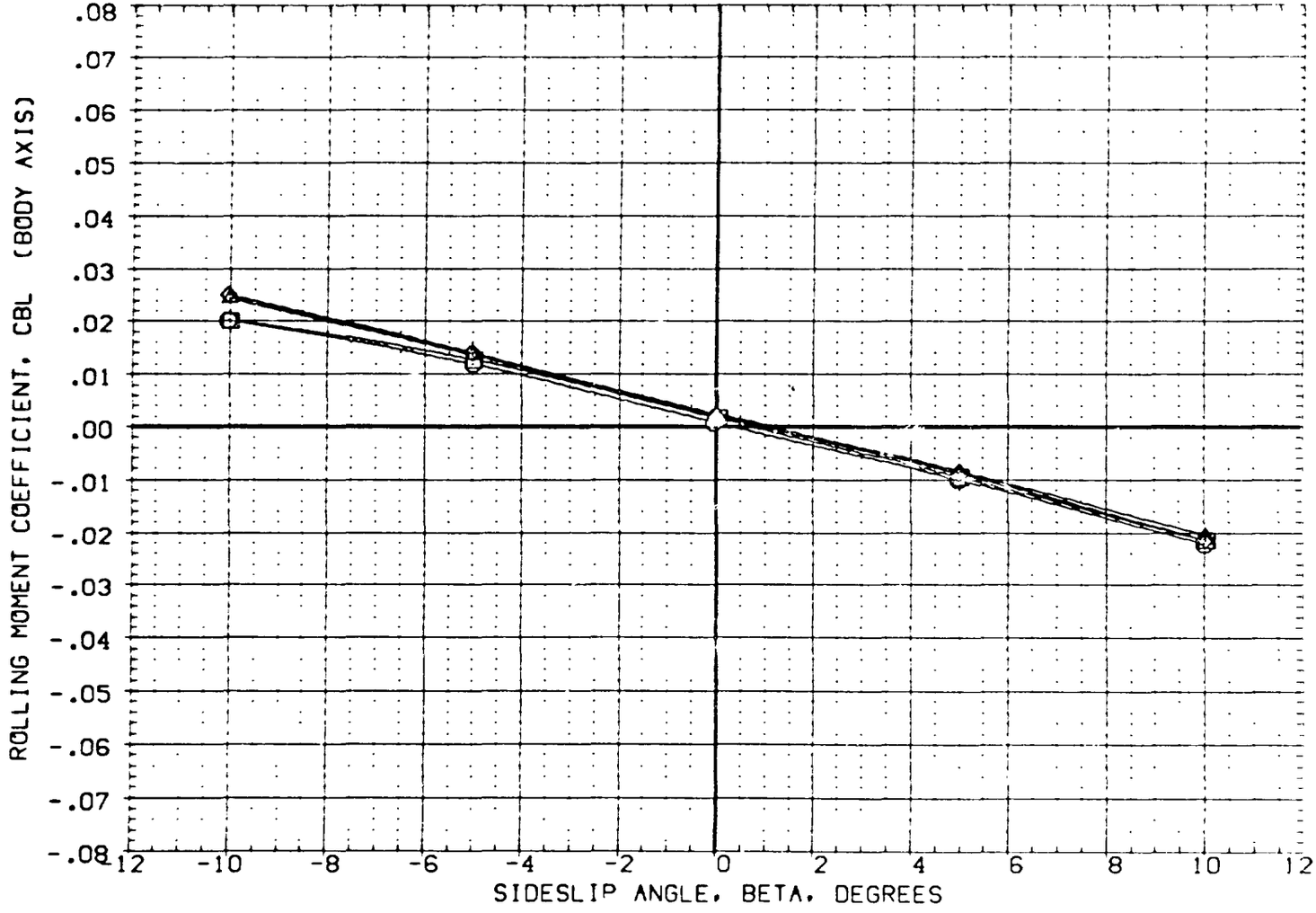



FIG 8 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO FREESTREAM, LAT CHAR 15 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX061) | ◇ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX066) | ⊗ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX148) | △ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX143) | ▽ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

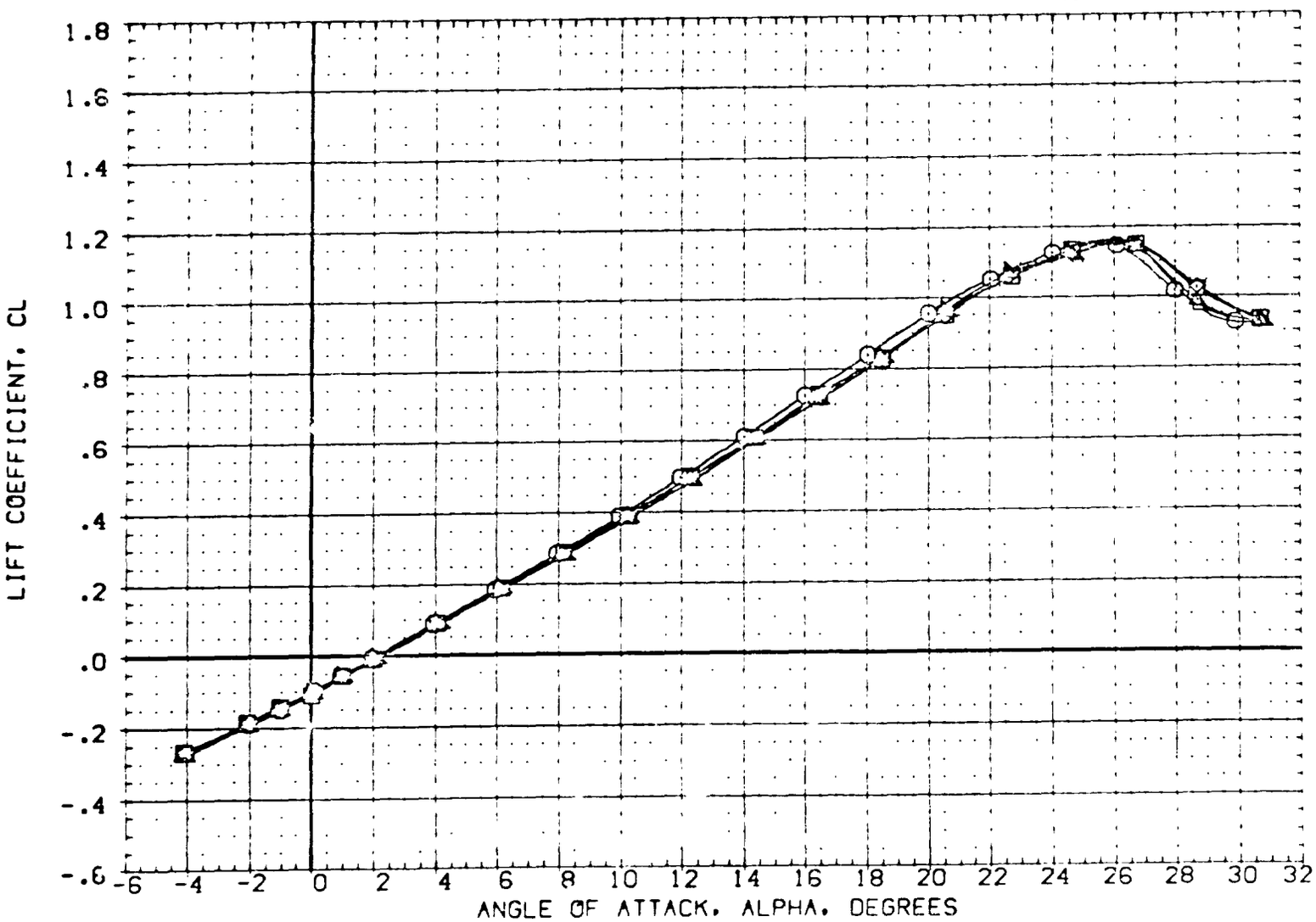



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX061) | ◇ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX066) | △ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX148) | ▽ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX143) | ○ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

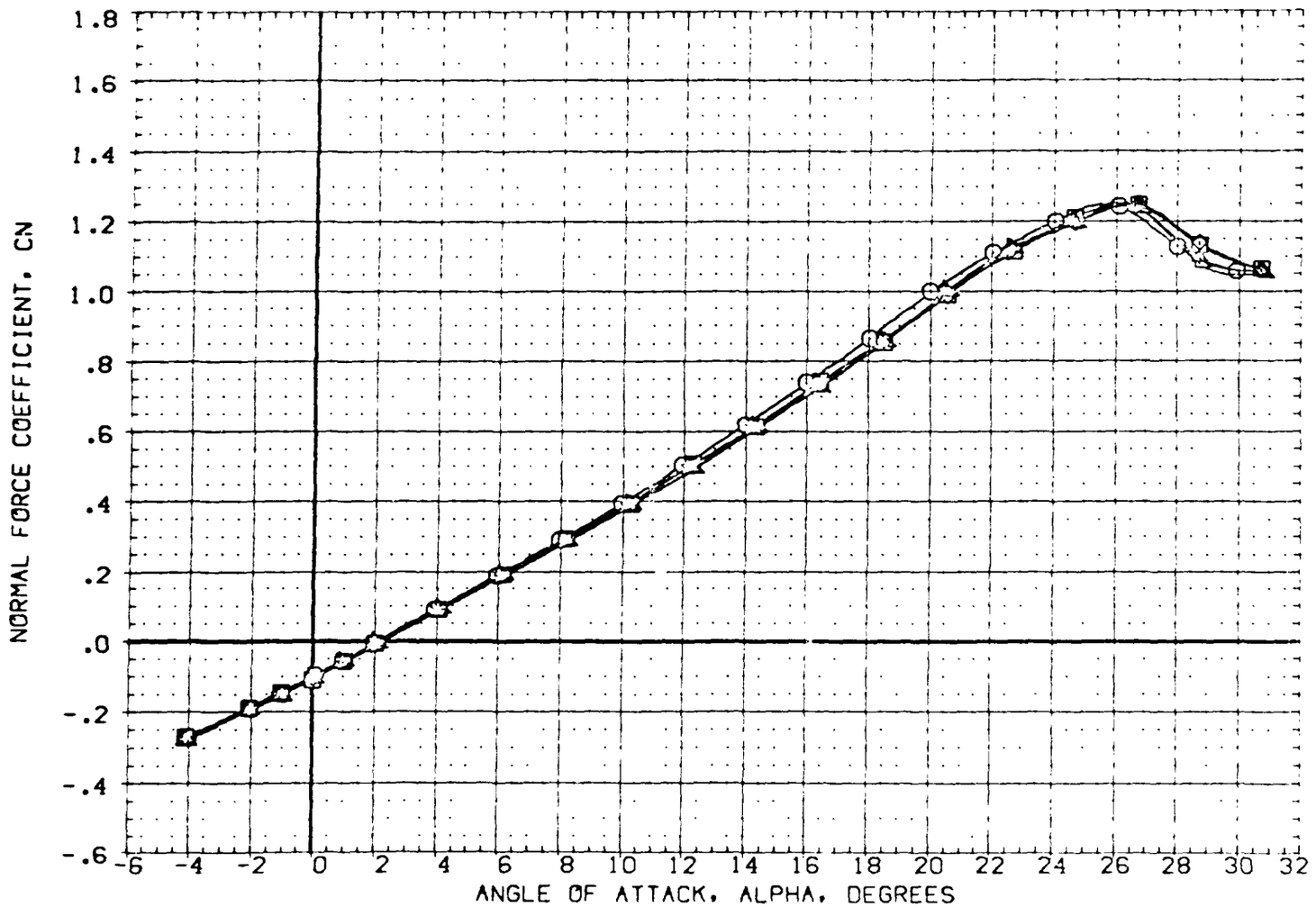



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX001) | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | |
| (ADX061) | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 | |
| (ADX066) | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 | |
| (ADX148) | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | |
| (ADX143) | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

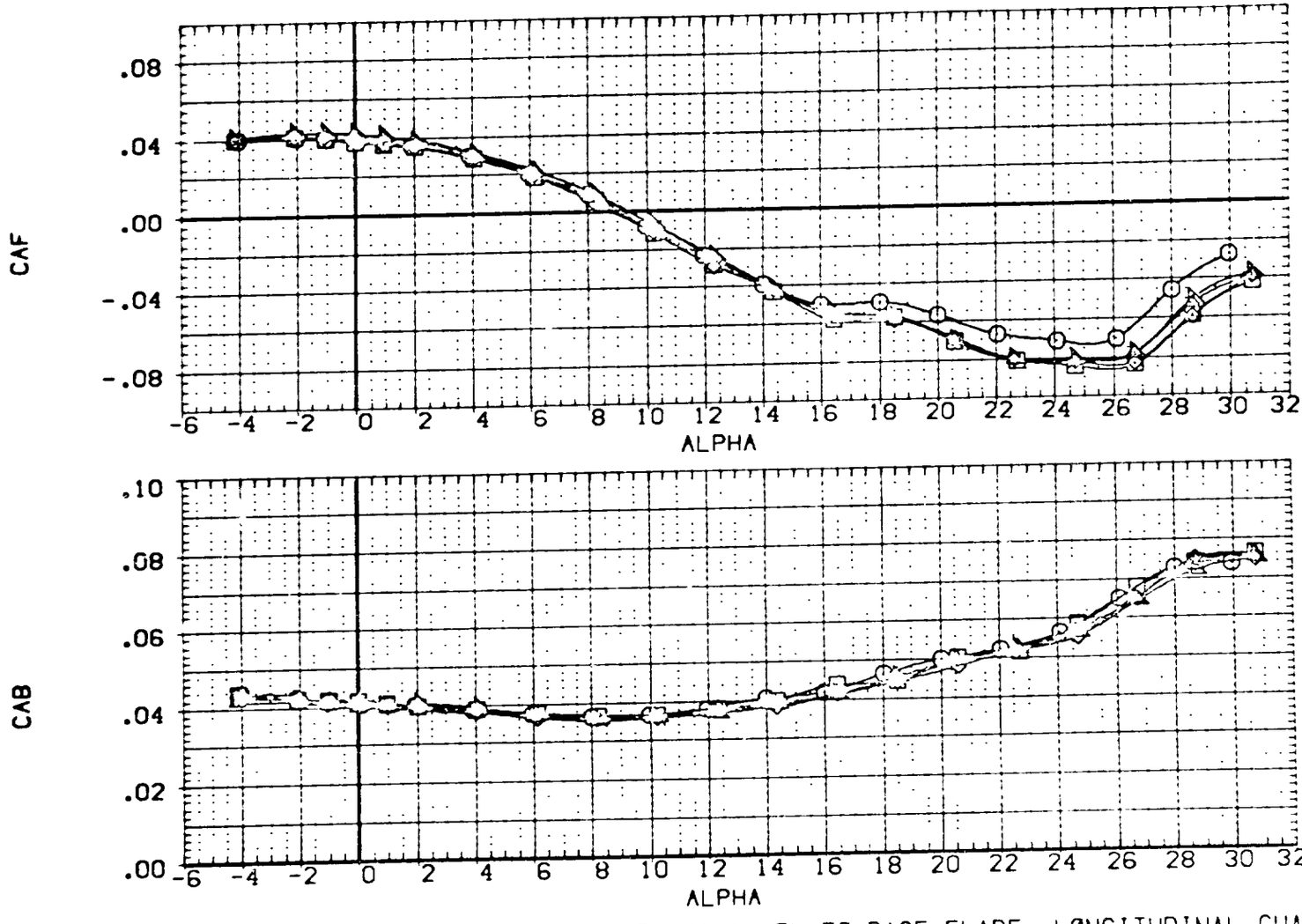



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX061) | ◇ | CA86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (ADX066) | ▽ | CA86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (ADX148) | △ | CA86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (ADX143) | ◁ | CA86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

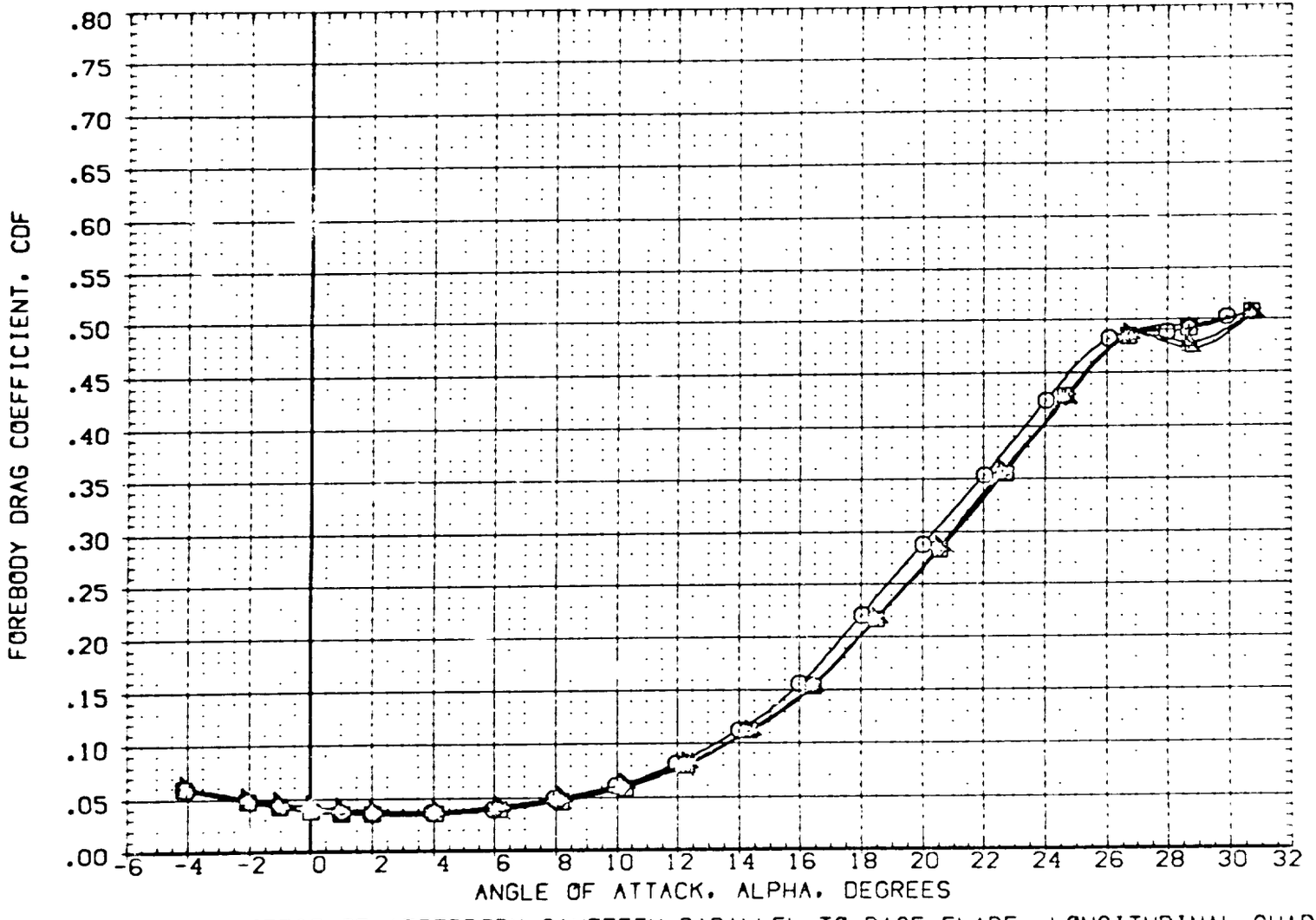



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX061) | □ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX062) | ◇ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX148) | ⋈ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX143) | ◺ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

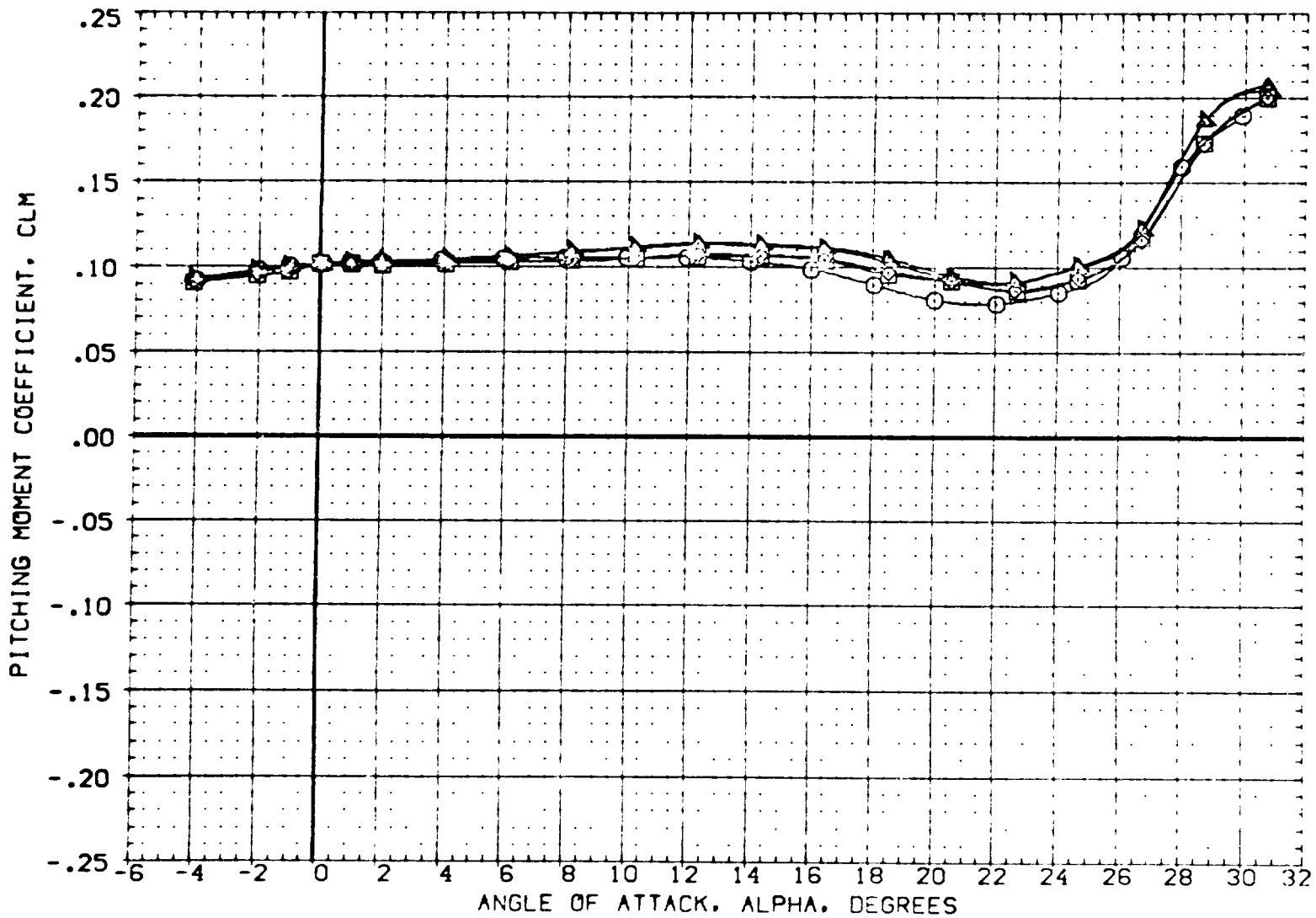



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX061) | △ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (ADX066) | ◇ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (ADX.48) | ▽ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (ADX.43) | ○ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

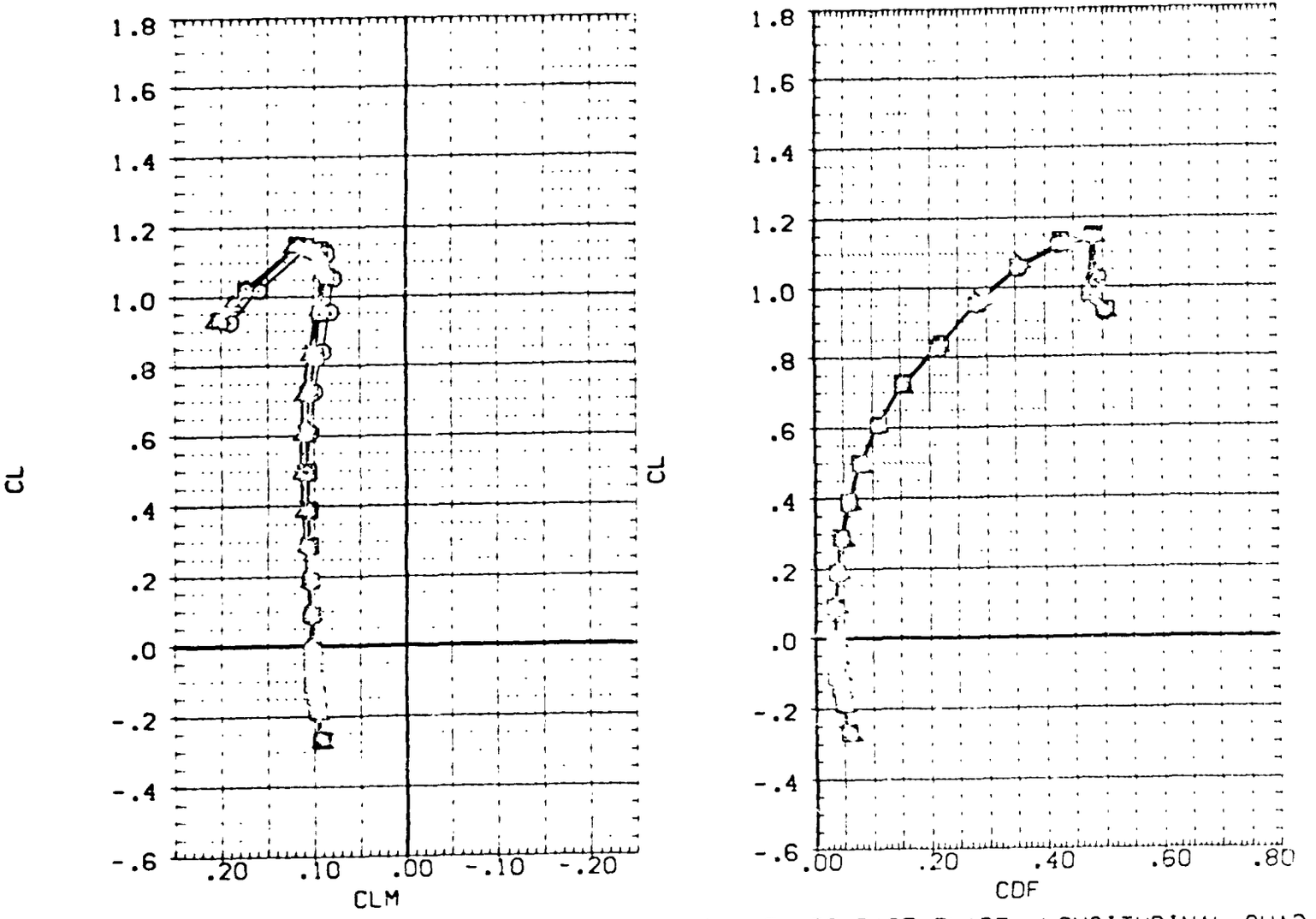



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MACH = .20

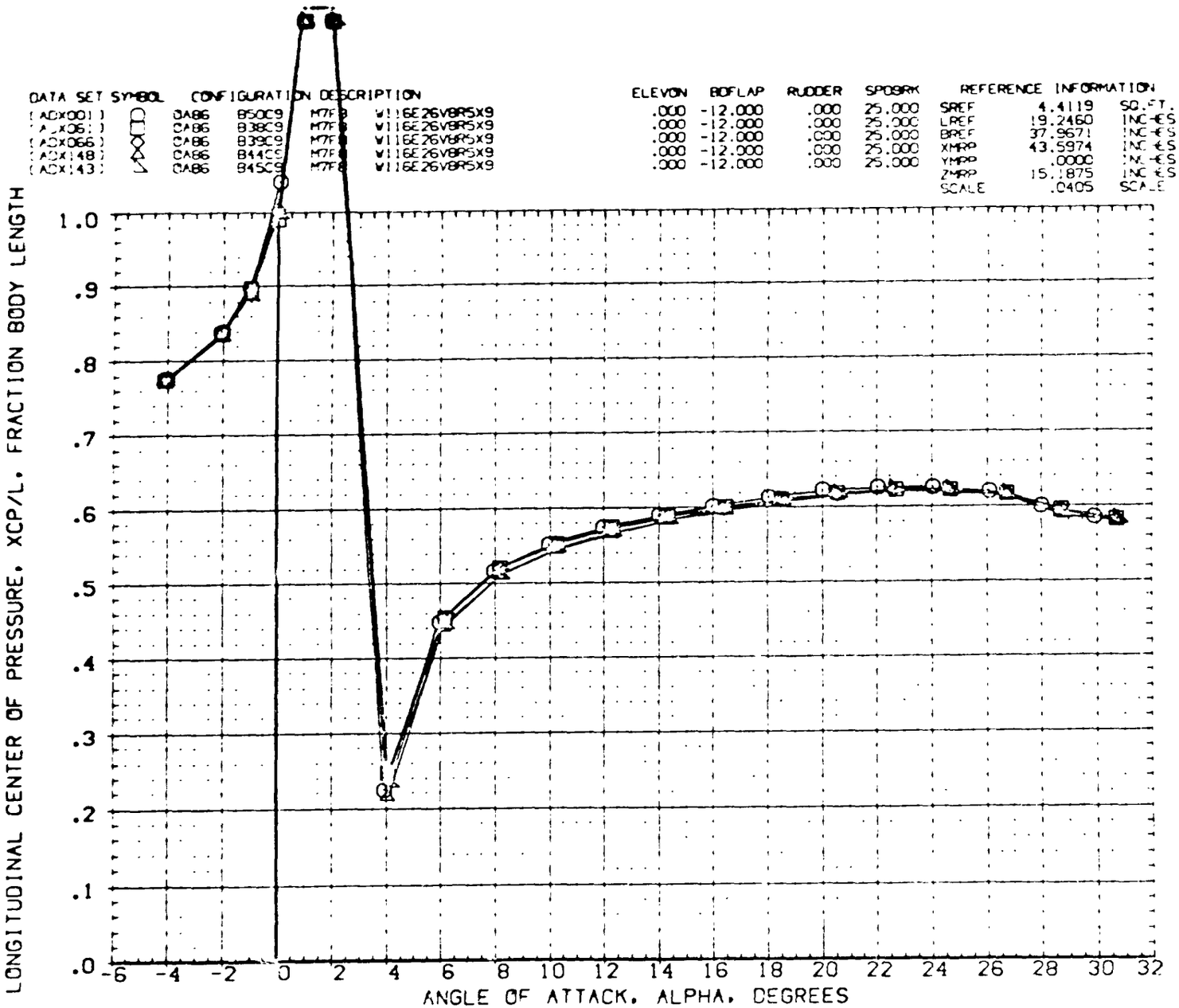



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AC*001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (AC*061) | ◇ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (AC*066) | ▽ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (AC*148) | ○ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (AC*143) | △ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9577 | INCHES |
| XMRP | 44.0974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.9975 | INCHES |
| SCALE | .0405 | SCALE |

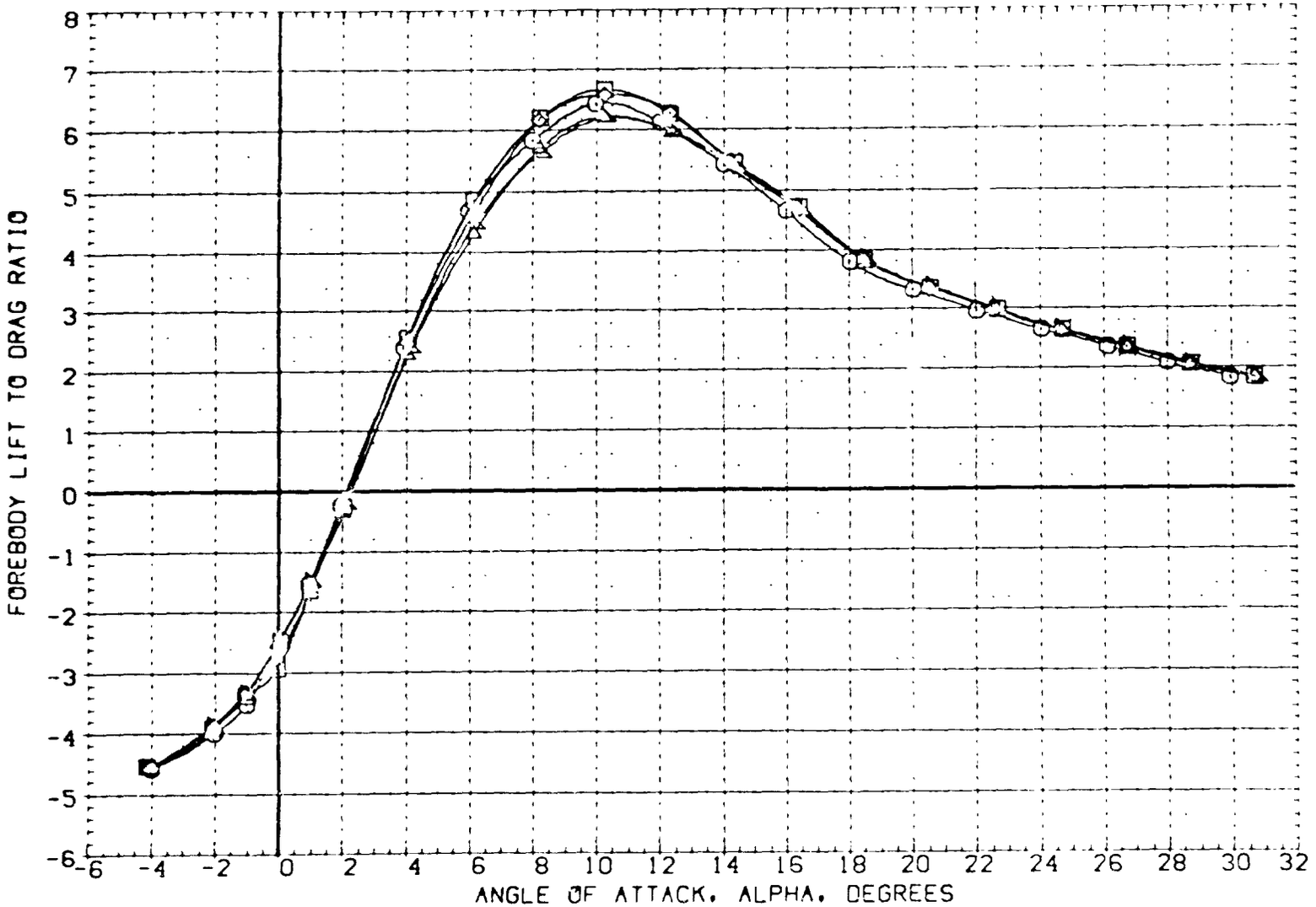



FIG 9 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LONGITUDINAL CHAR

(A)MAC.. = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX002) | □ | OAB6 | B50C9 | M7F8 | W1:6E26VBR5X9 | .000 | .000 | .000 | 25.000 |
| (RDX062) | ○ | OAB6 | B38C9 | M7F8 | W1:6E26VBR5X9 | .000 | .000 | .000 | 25.000 |
| (RDX067) | ◇ | OAB6 | B39C9 | M7F8 | W1:6E26VBR5X9 | .000 | .000 | .000 | 25.000 |
| (RDX149) | ◁ | OAB6 | B44C9 | M7F8 | W1:6E26VBR5X9 | .000 | .000 | .000 | 25.000 |
| (RDX144) | △ | OAB6 | B45C9 | M7F8 | W1:6E26VBR5X9 | | | | |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

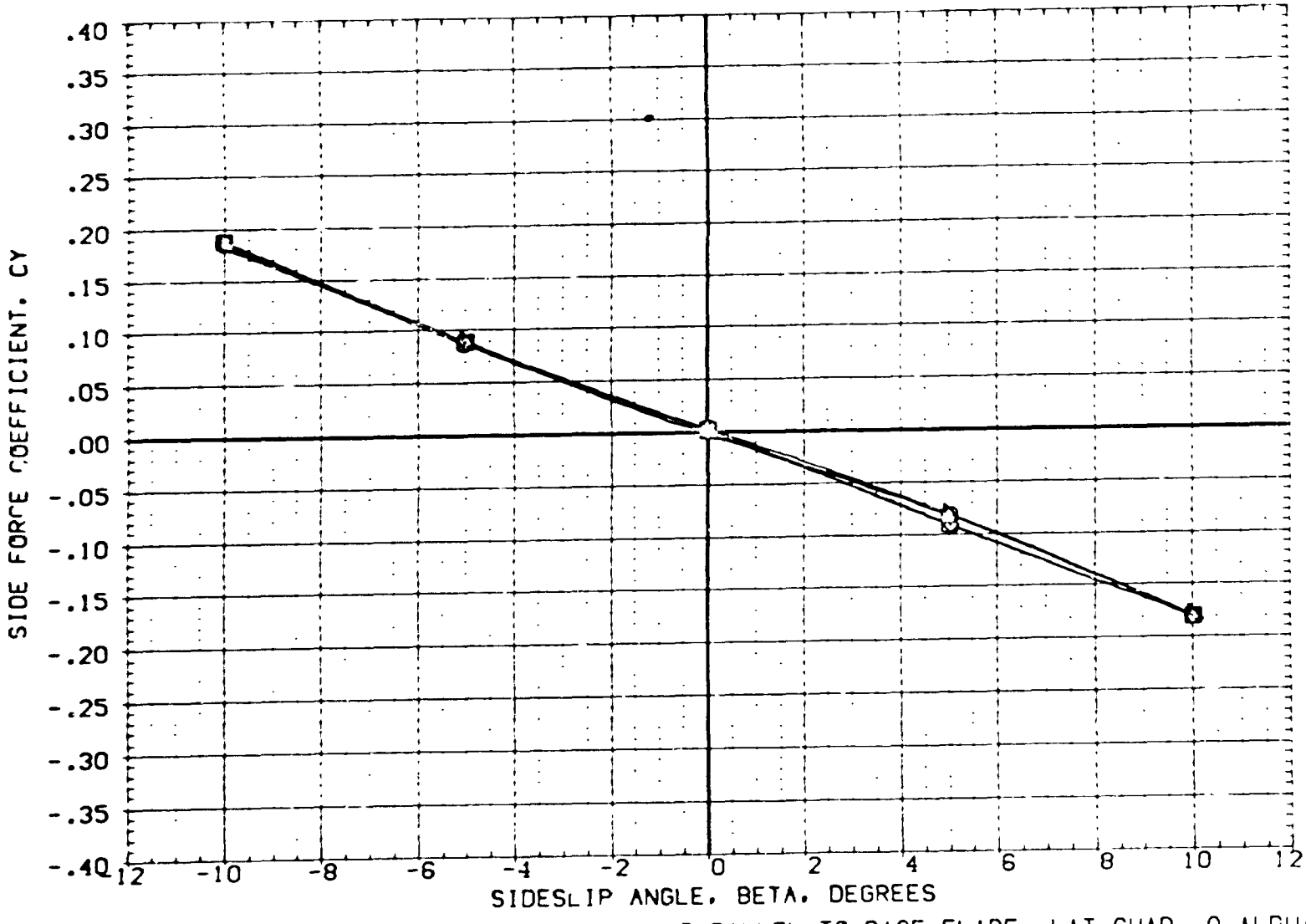



FIG 10 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 0 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (M)*(M^2) | | OABS | H50C9 | M7F8 | W116E26V8R5X9 |
| | | OABS | G88C9 | M7F8 | W116E26V8R5X9 |
| | | OABS | H54C9 | M7F8 | W116E26V8R5X9 |
| | | OABS | H44C9 | M7F8 | W116E26V8R5X9 |
| | | OABS | H42C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9200 | INCHES |
| XMRP | 43.0224 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040 | SCALE |

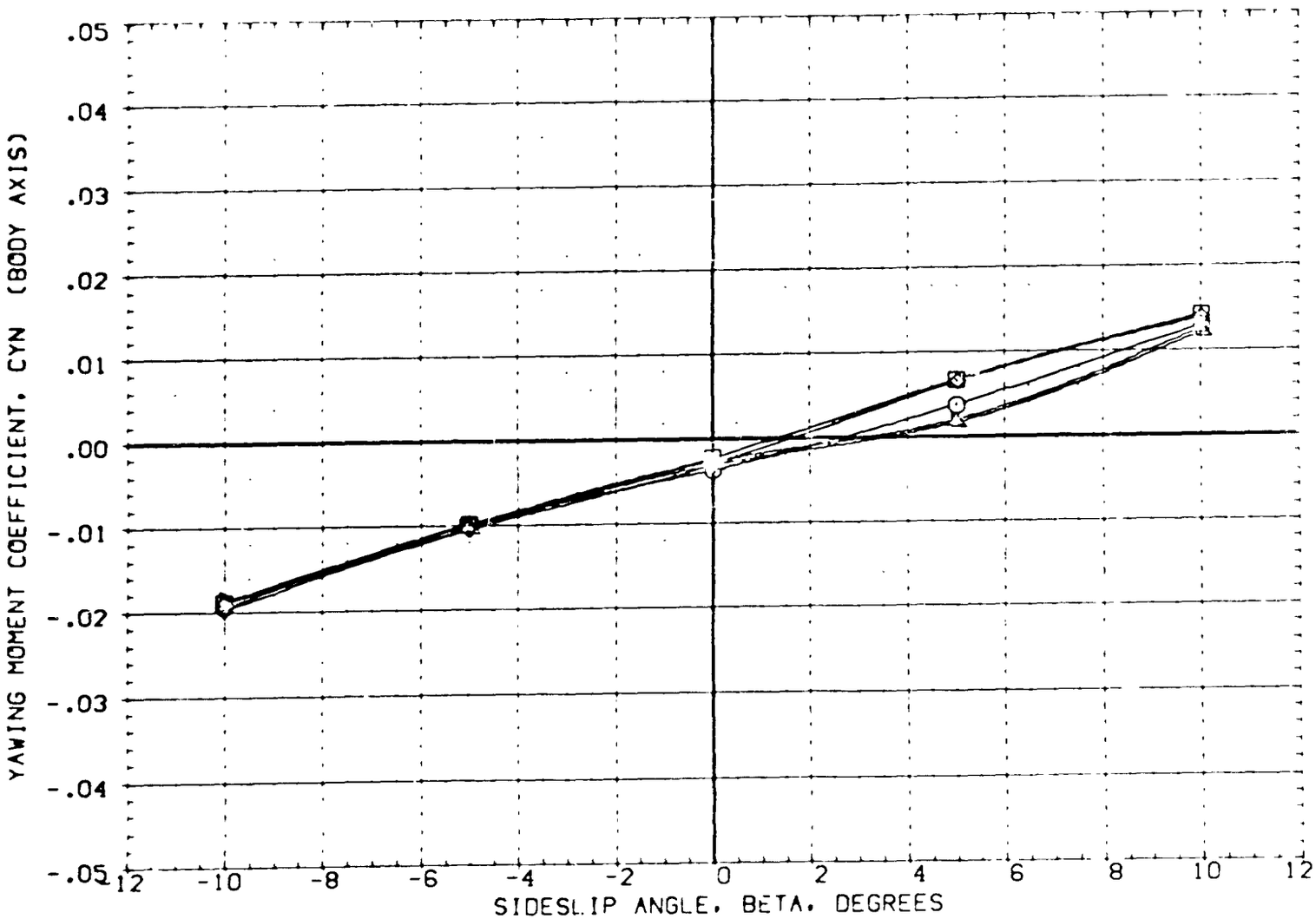



FIG 10 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 0 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RUX002) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RUX062) | ○ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RUX067) | ◇ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RUX149) | △ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RUX144) | ▽ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

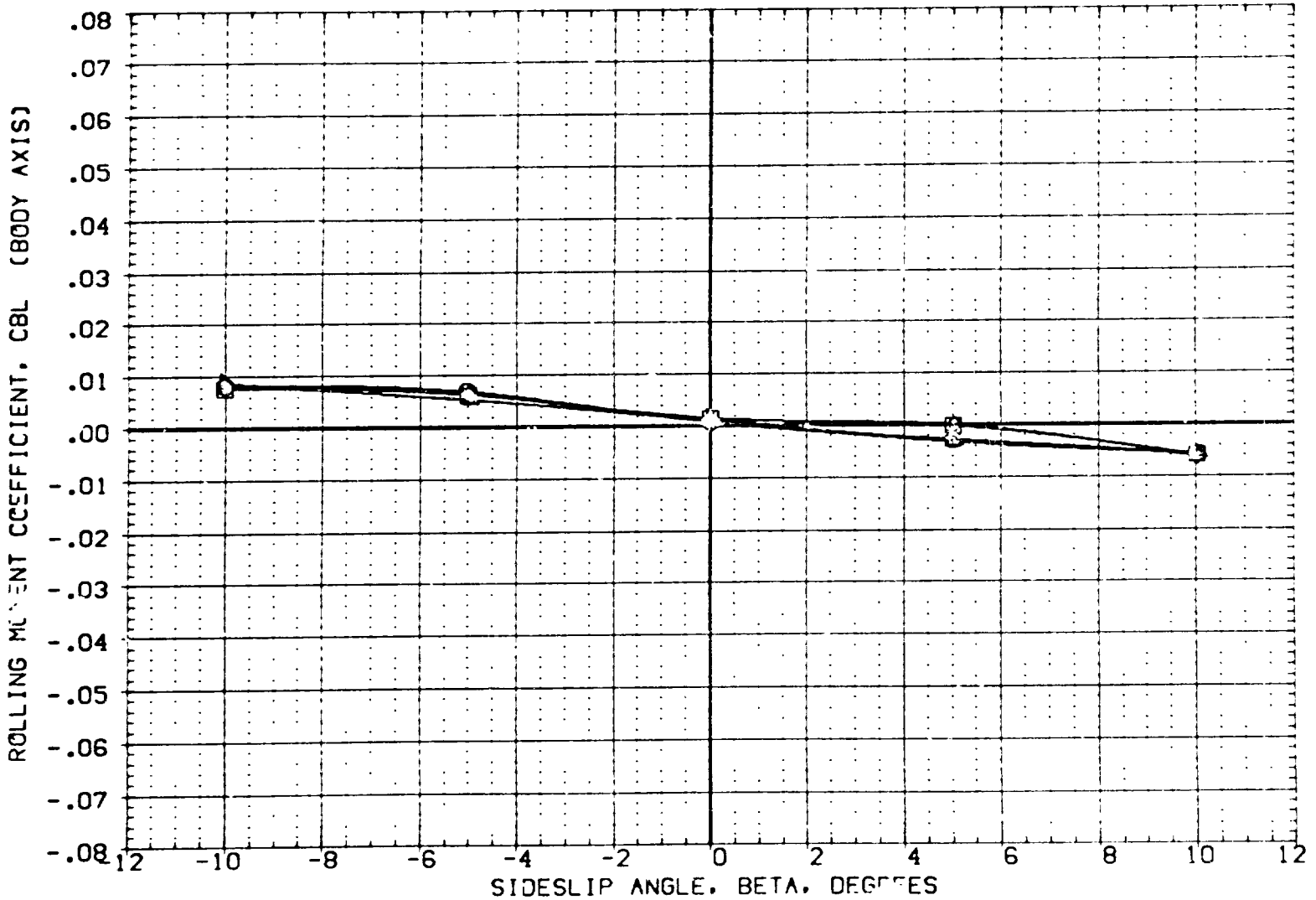



FIG 10 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 0 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RUX003) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RUX063) | ◇ | CA86 | B38C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RUX068) | △ | CA86 | B39C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RUX090) | ▽ | CA86 | B44C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RUX145) | ▷ | CA86 | B45C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.5671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

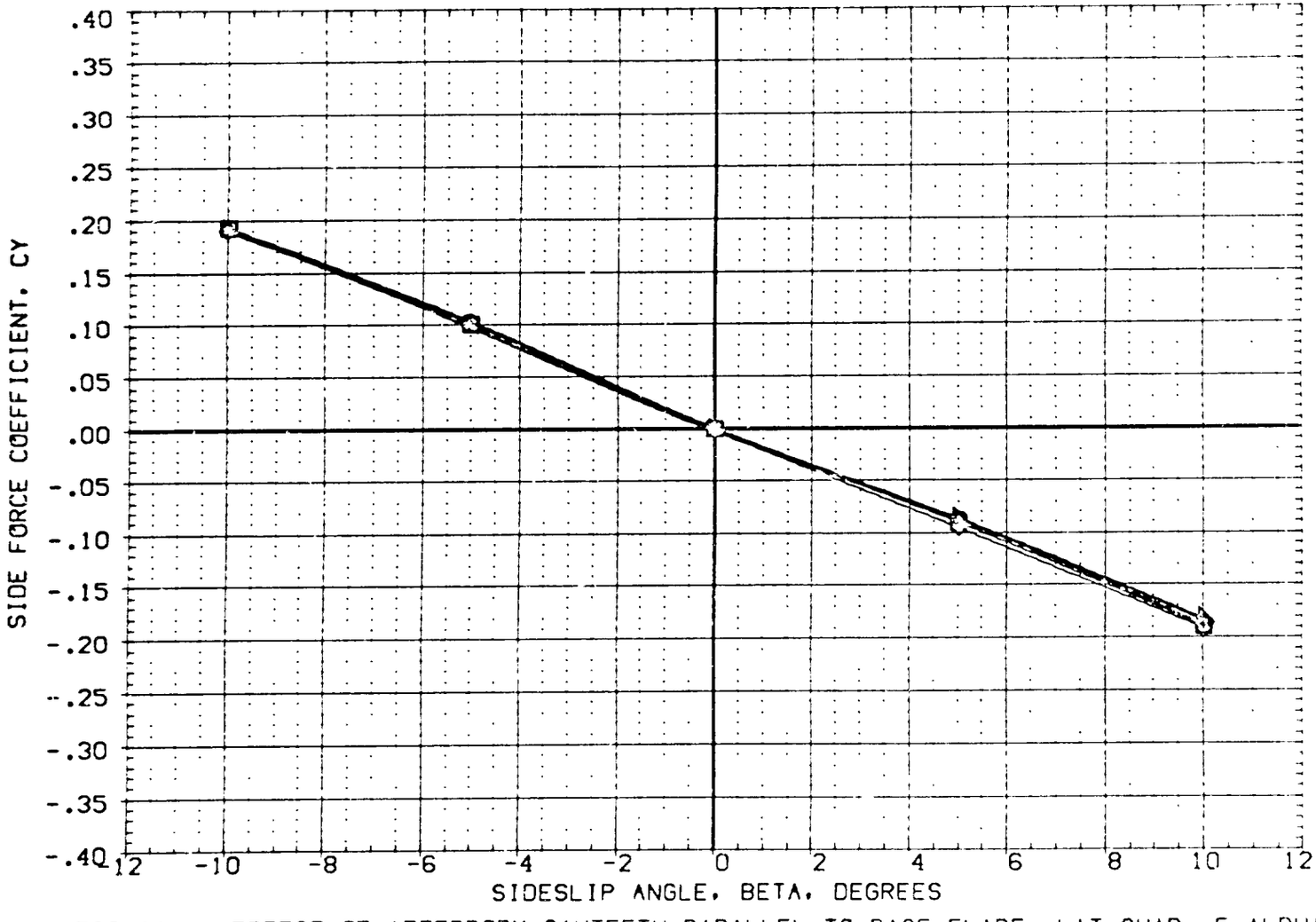



FIG 11 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 5 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION | | |
|---|---|---|---|---|---|
| (RUN 031) | □ | 0A86 | 950C9 | M7F8 | W116E26V8R5X9 |
| (RUN 063) | ◇ | 0A86 | B36C9 | M7F8 | W116E26V8R5X9 |
| (RUN 068) | △ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (RUN 150) | ▽ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RUN 145) | ⊲ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

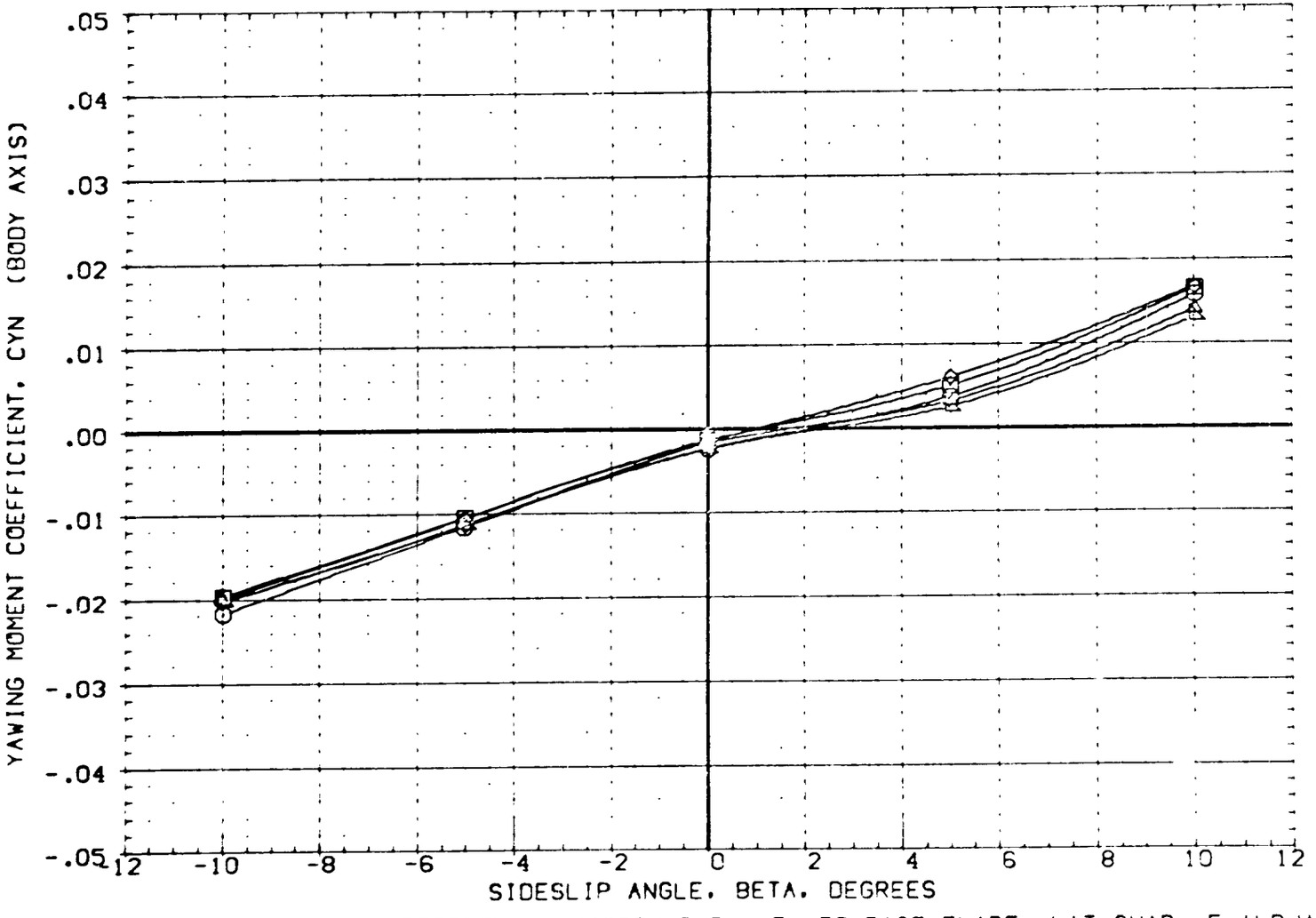



FIG 11 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 5 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (R0X003) | ○ | OA86 | B50C9 | M7F8 | W:16E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (R0X063) | □ | OA85 | B38C9 | M7F8 | W:16E26V8R5X9 | 5.000 | .000 | .000 | 20.000 |
| (R0X068) | ⋈ | OA85 | B39C9 | M7F8 | W:16E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (R0X150) | ◁ | OA86 | B44C9 | M7F8 | W:16E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (R0X145) | △ | OA86 | B45C9 | M7F8 | W:16E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.0671 | INCHES |
| XMRP | 43.0774 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.7875 | INCHES |
| SCALE | .0405 | SCALE |

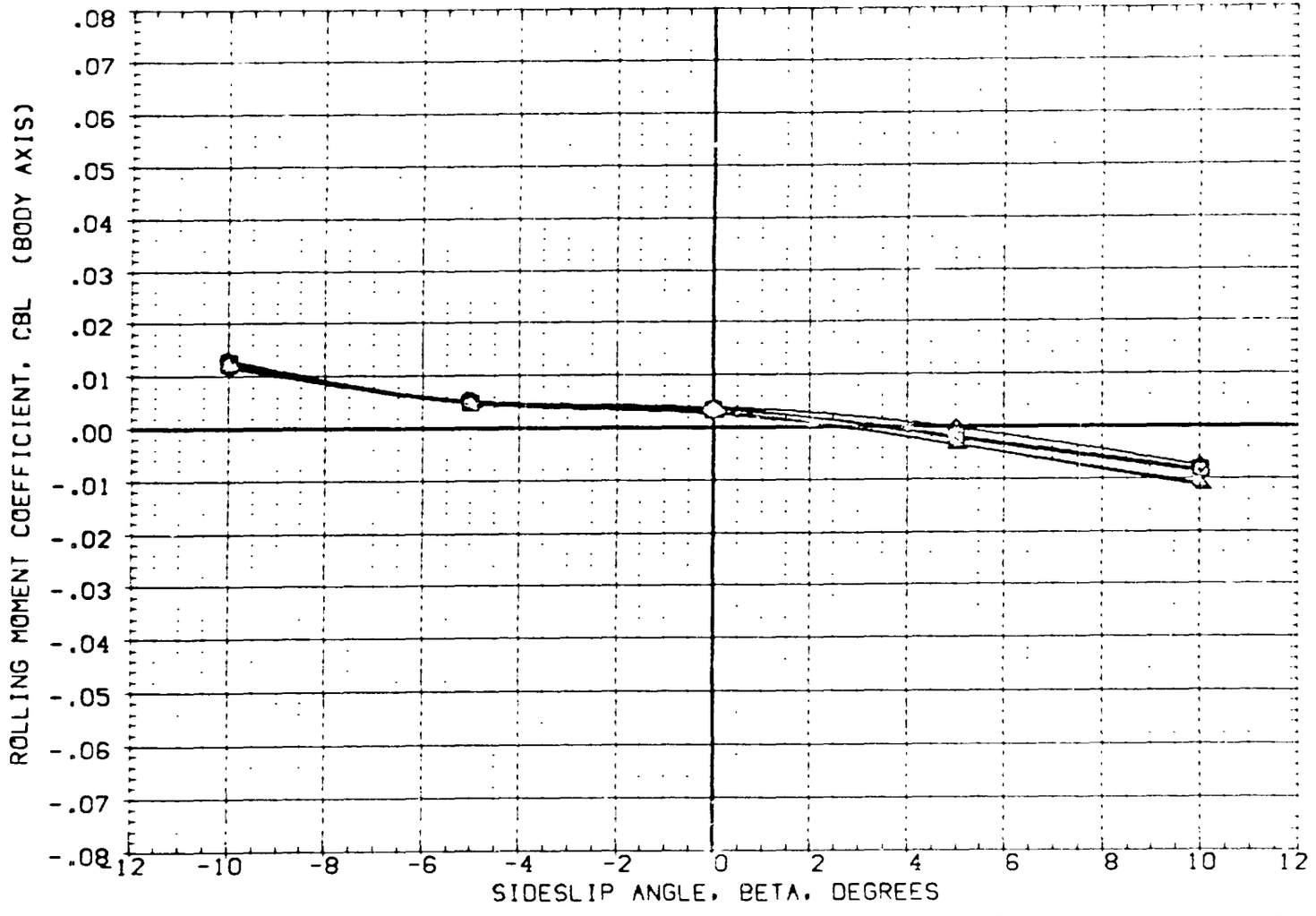



FIG 11 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 5 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX004) | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX064) | | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (RDX069) | | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (RDX151) | | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RDX146) | | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1675 | INCHES |
| SCALE | .0405 | SCALE |

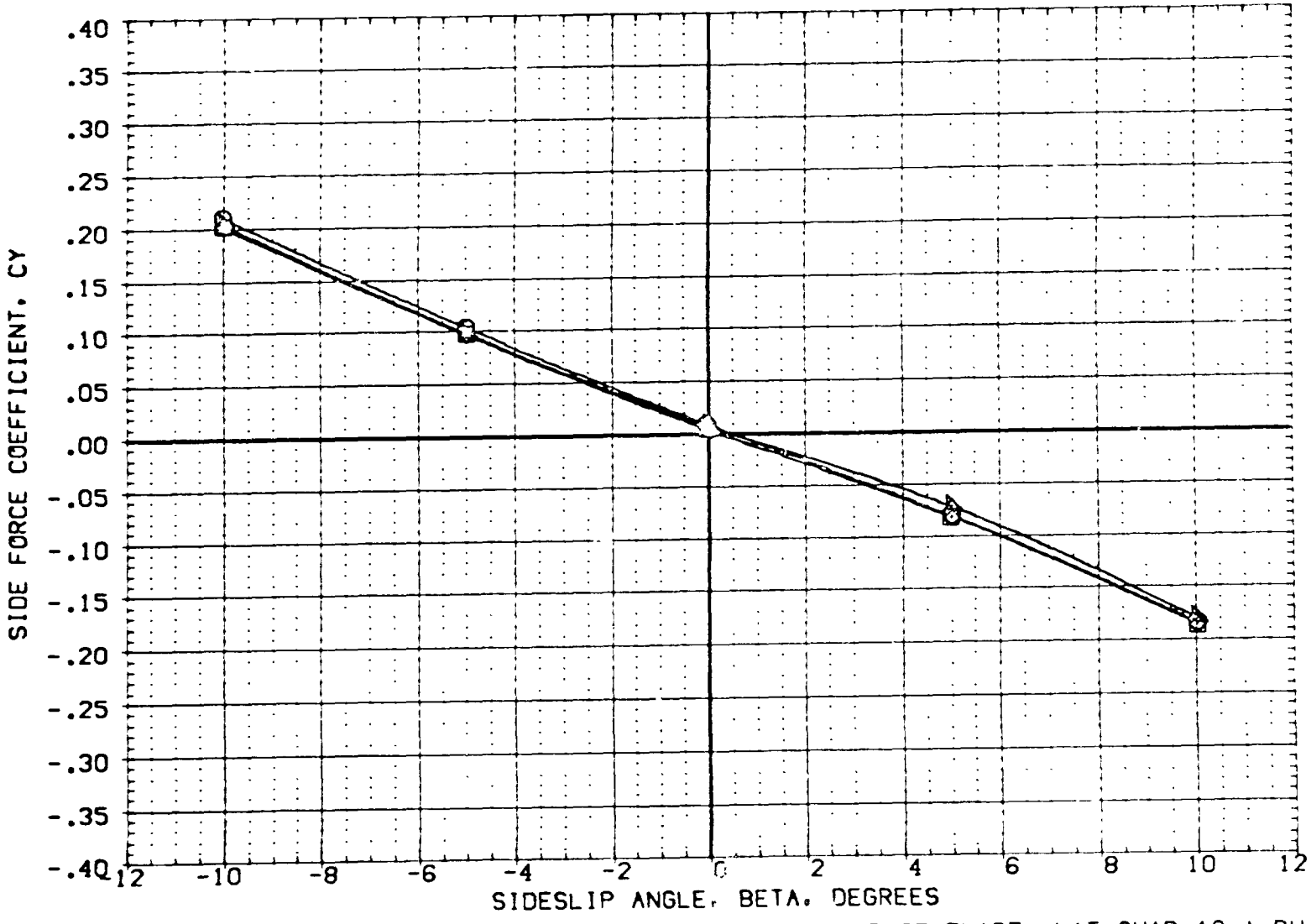



FIG 12 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 10 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R0X004) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (R0X064) | □ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (R0X069) | ◇ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (R0X151) | ⊠ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (R0X.15) | △ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.3671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

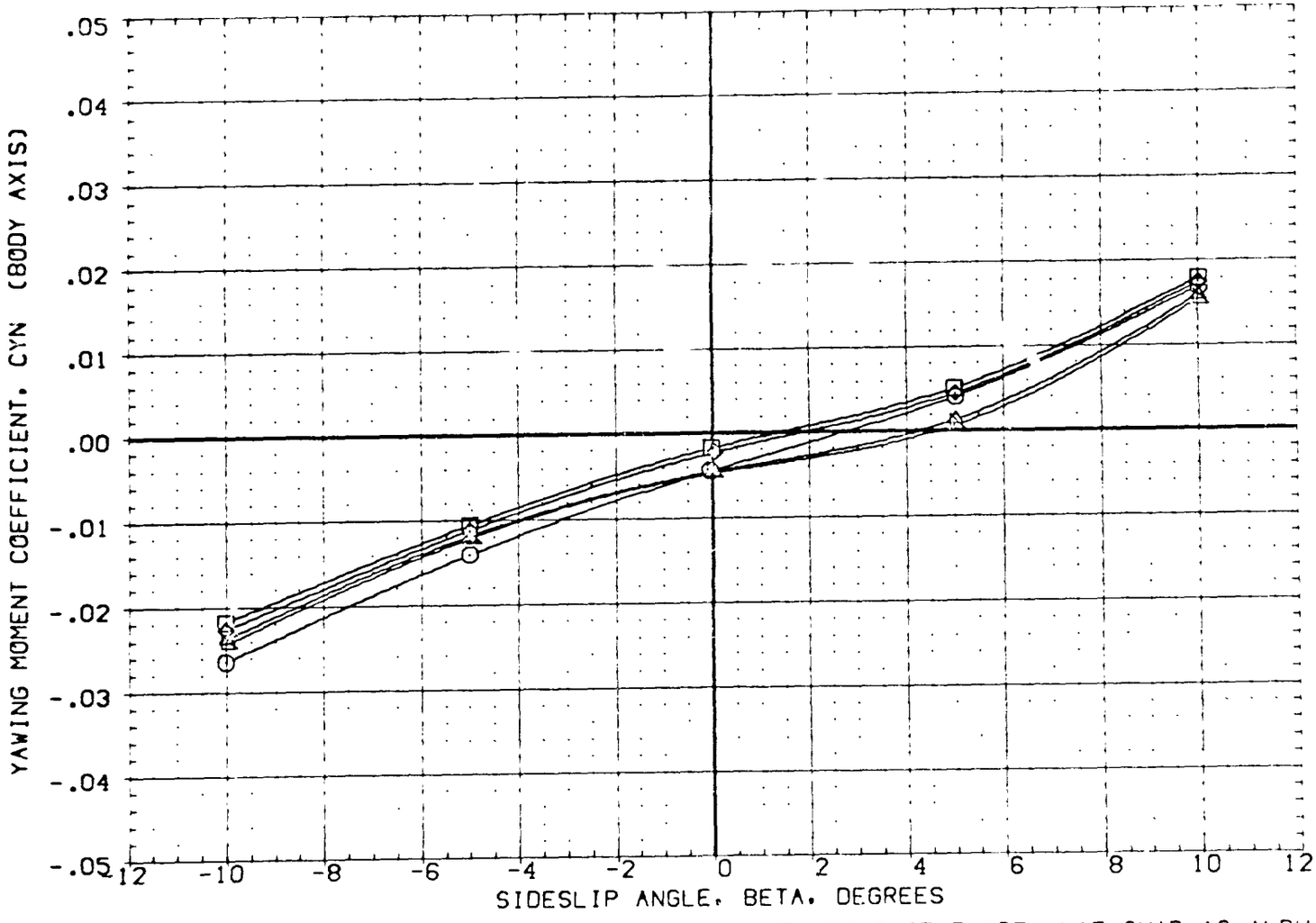



FIG 12 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 10 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDx004) | | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (RDx064) | | 0A86 | 838C9 | M7F8 | W116E26V8R5X9 |
| (RDx069) | | 0A86 | 839C9 | M7F8 | W116E26V8R5X9 |
| (RDx151) | | 0A86 | 944C9 | M7F8 | W116E26V8R5X9 |
| (RDx146) | | 0A86 | 845C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMPP | 43.5974 | INCHES |
| YMPP | .0000 | INCHES |
| ZMPP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

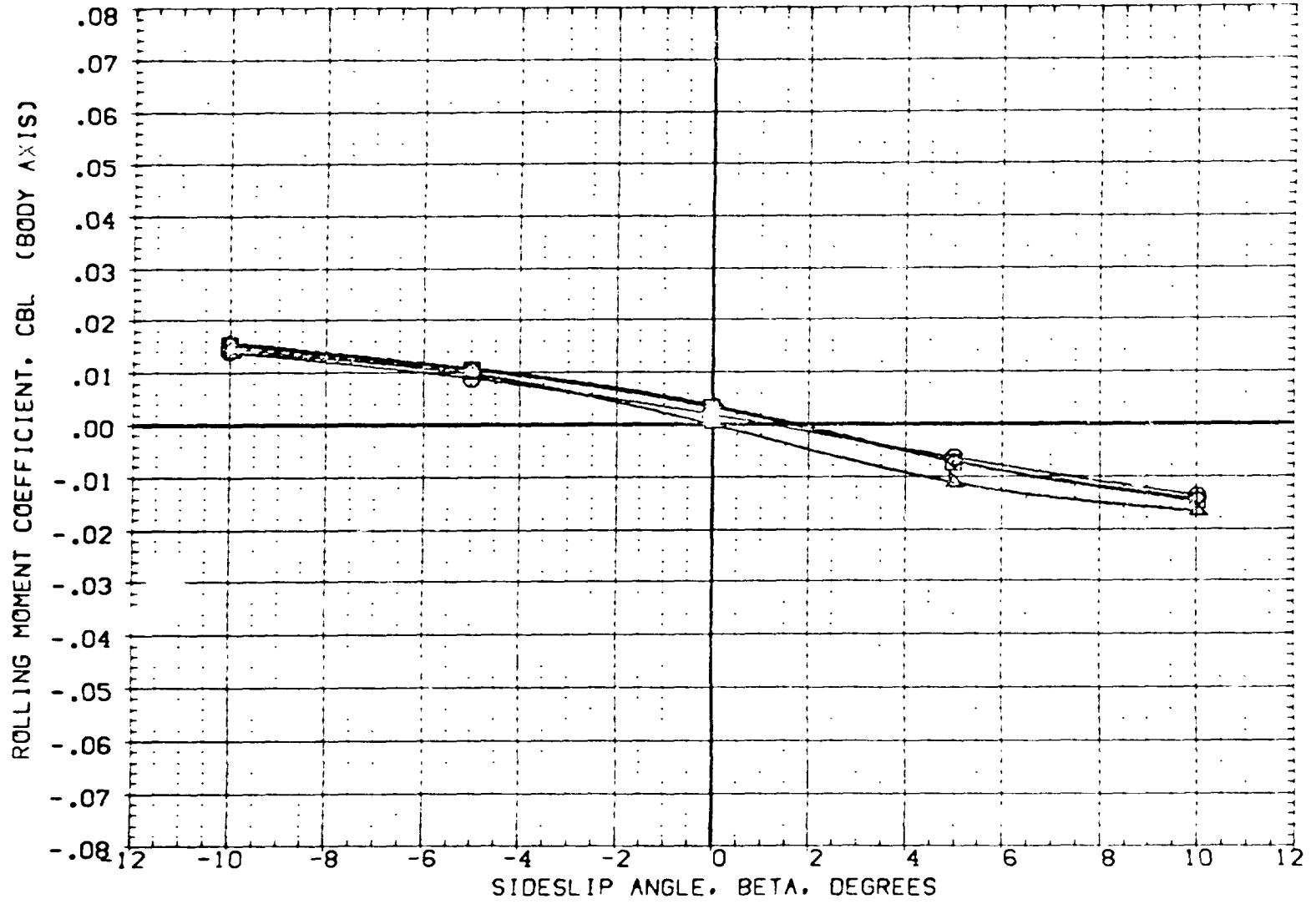



FIG 12 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 10 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RO/005) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RO/065) | | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (RO/070) | | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (RO/152) | | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RO/147) | ◇ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

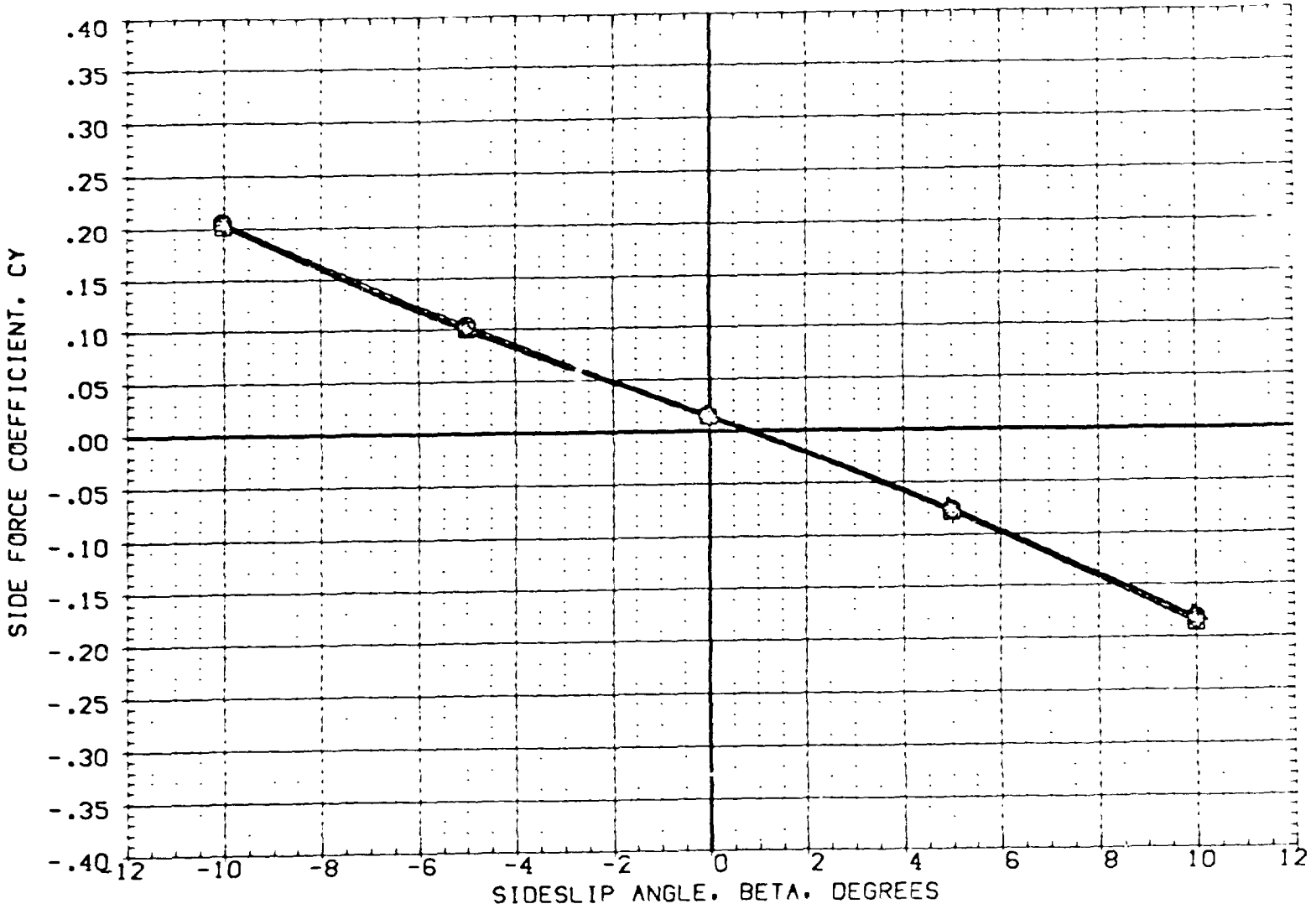



FIG 13 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 15 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX005) | | DA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (RCX065) | | DA86 | 838C9 | M7F8 | W116E26V8R5X9 |
| (RCX070) | | DA86 | 839C9 | M7F8 | W116E26V8R5X9 |
| (RCX152) | | DA86 | 844C9 | M7F8 | W116E26V8R5X9 |
| (RCX147) | | DA86 | 845C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

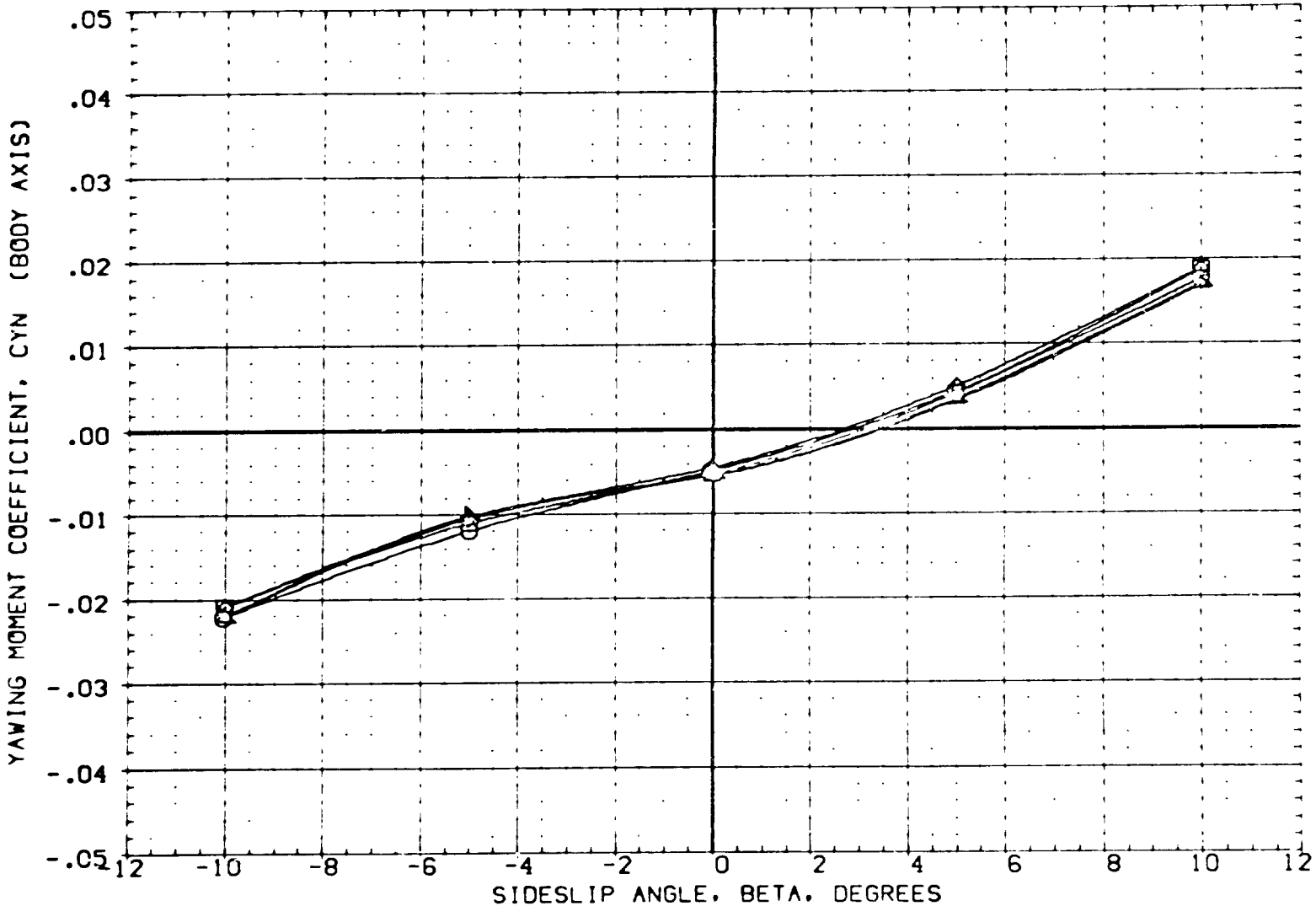



FIG 13 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 15 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R0X005) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (R0X065) | ◇ | 0A86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (R0X070) | ▷ | 0A86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (R0X152) | △ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (R0X147) | ▽ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

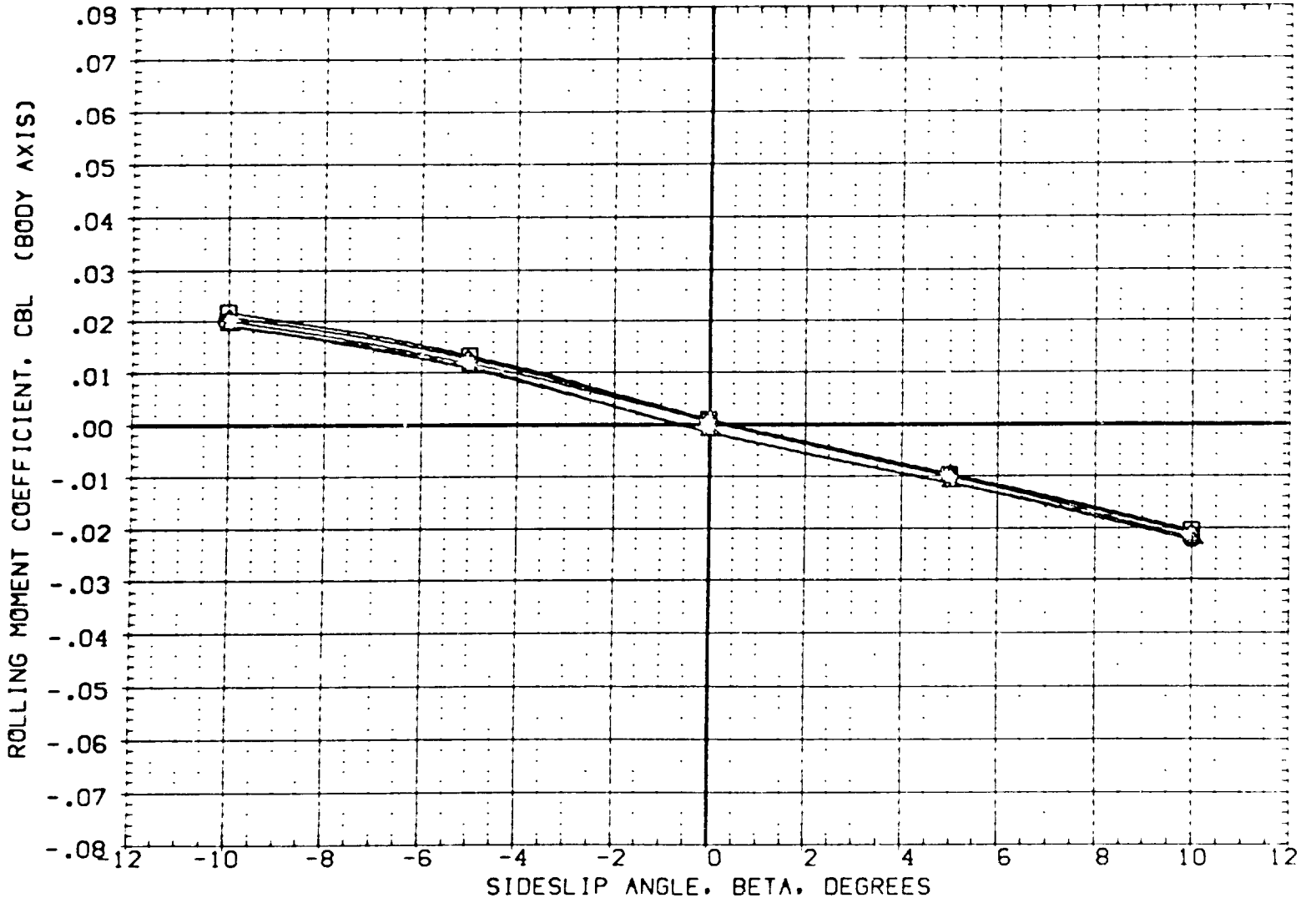



FIG 13 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE, LAT CHAR 15 ALPHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (A)X001) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (A)X106) | □ | OA86 | B42C9 | M7F8 | W118E26V8R5X9 |
| (A)X107) | ◇ | OA86 | B43C9 | M7F8 | W118E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

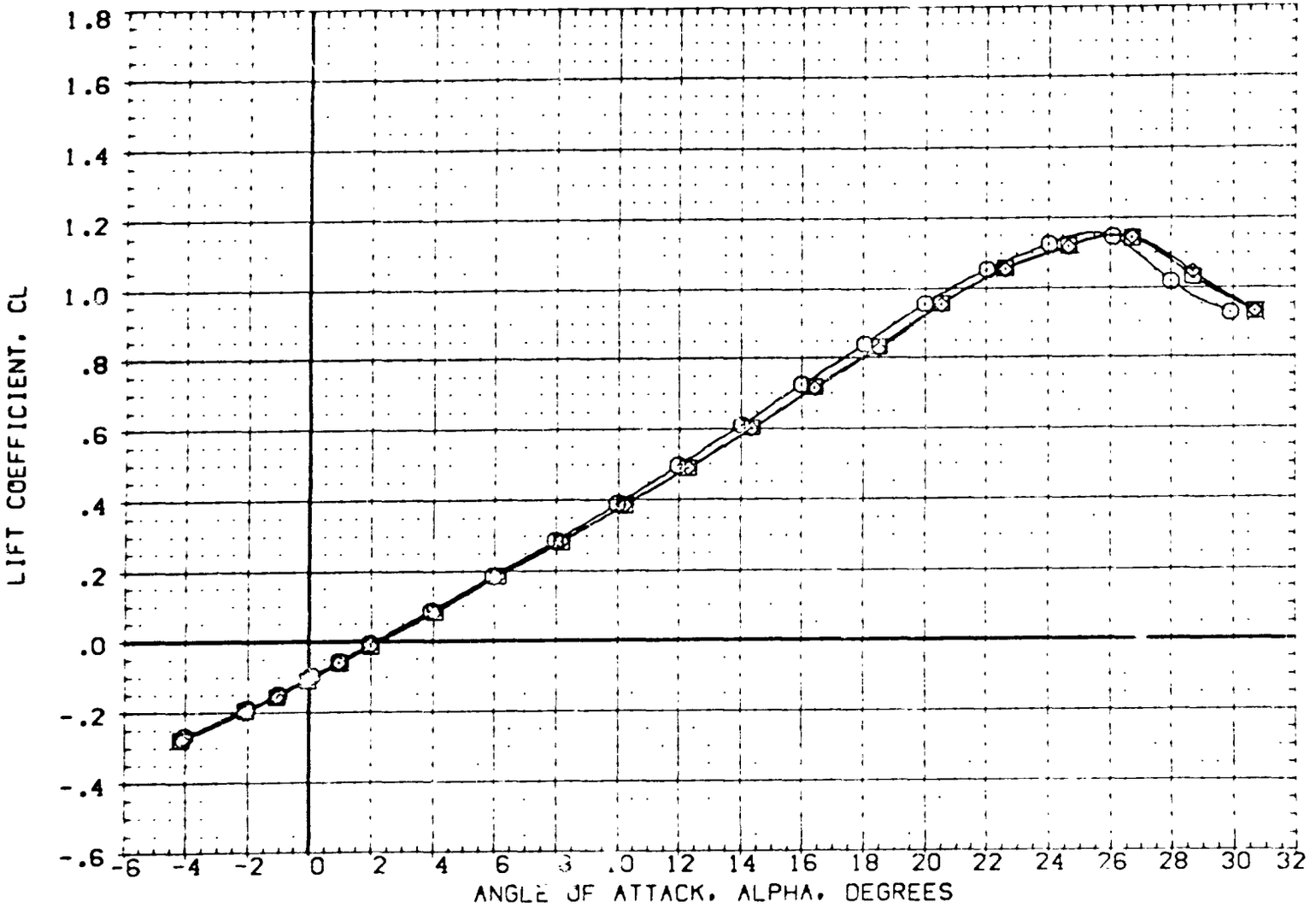



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx106) | ◇ | 0A86 | B42C9 | M7F8 | W118E26V8R5X9 |
| (ADx107) | ◇ | 0A86 | B43C9 | M7F8 | W118E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

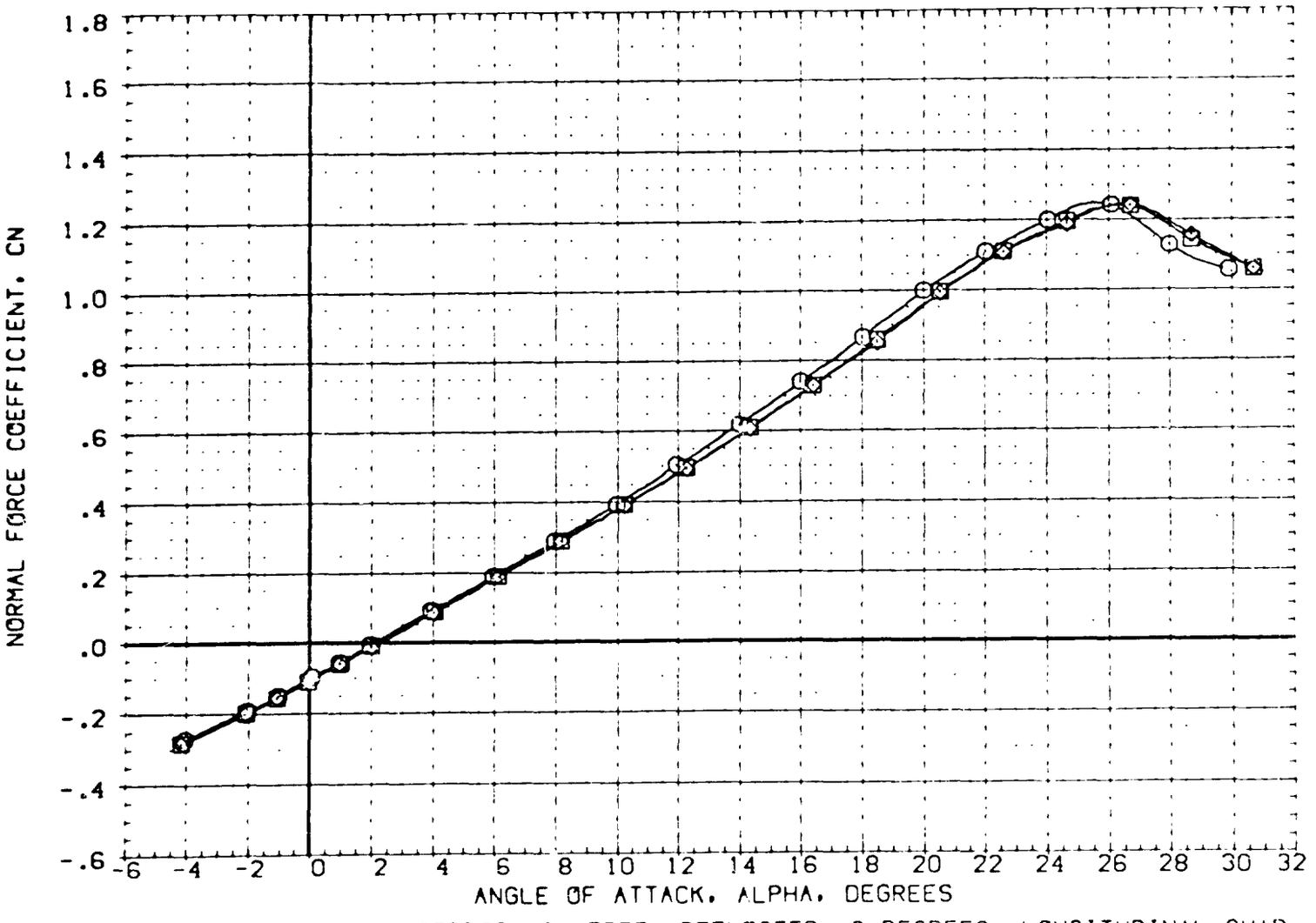



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADYOC:) | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | |
| ADX:36 | CA86 | B4.C9 | M7F8 | W118E26V8R5X9 | |
| ADX:37 | CA86 | B43C9 | M7F8 | W118E26V8R5X9 | |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

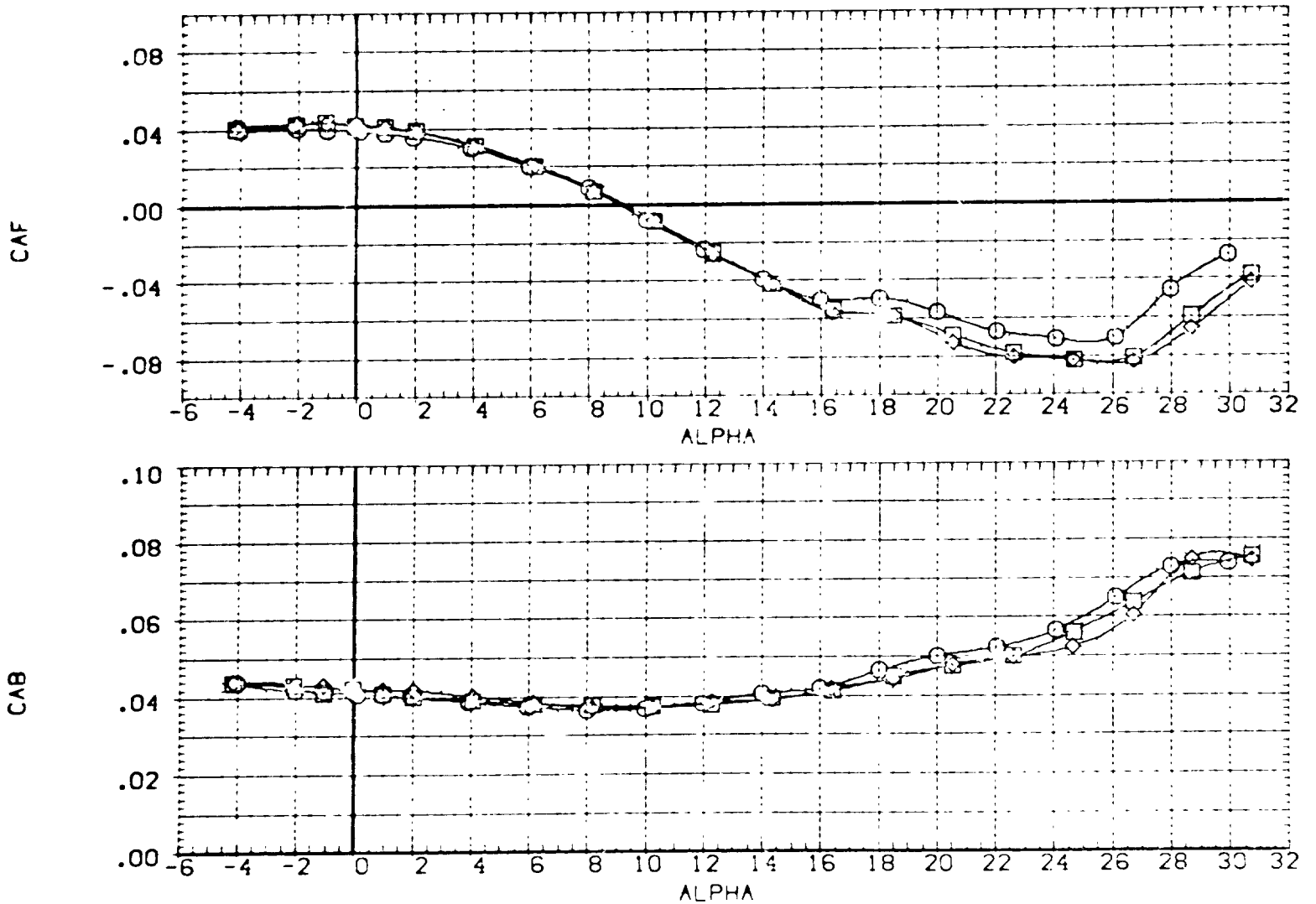



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MAC = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AD)(001) | □ | CA86 | 350C9 | M7F8 | W1:8E26V8R5X9 |
| (AC)(06) | ◇ | CA86 | 342C9 | M7F8 | W1:8E26V8R5X9 |
| (AC)(07) | ◇ | CA86 | 343C9 | M7F8 | W1:8E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.0677 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

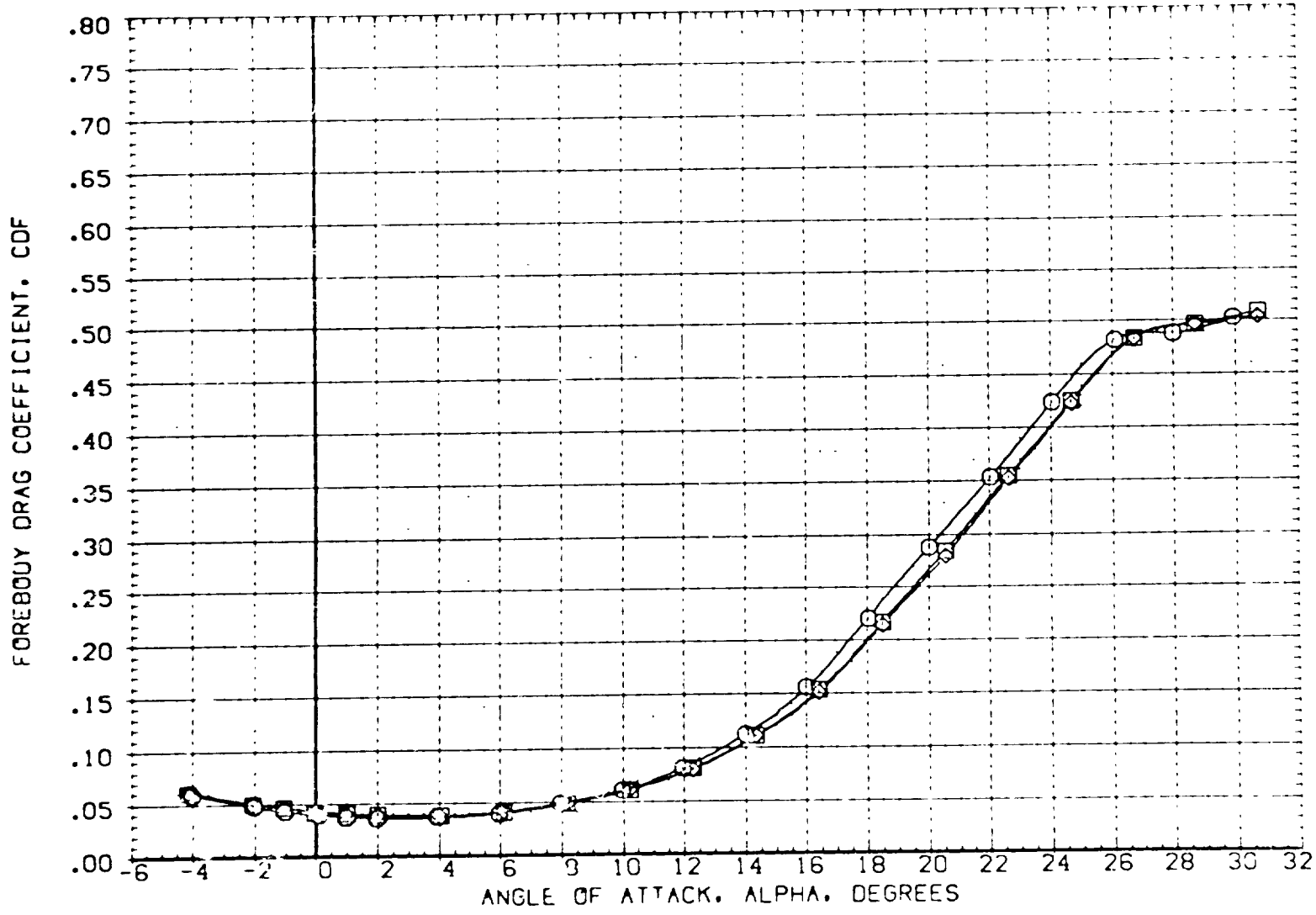



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (A0X001) | ○ | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (A0X106) | □ | 0A86 | 842C9 | M7F8 | W118E26V8R5X9 |
| (A0X107) | ◇ | 0A86 | 843C9 | M7F6 | W118E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

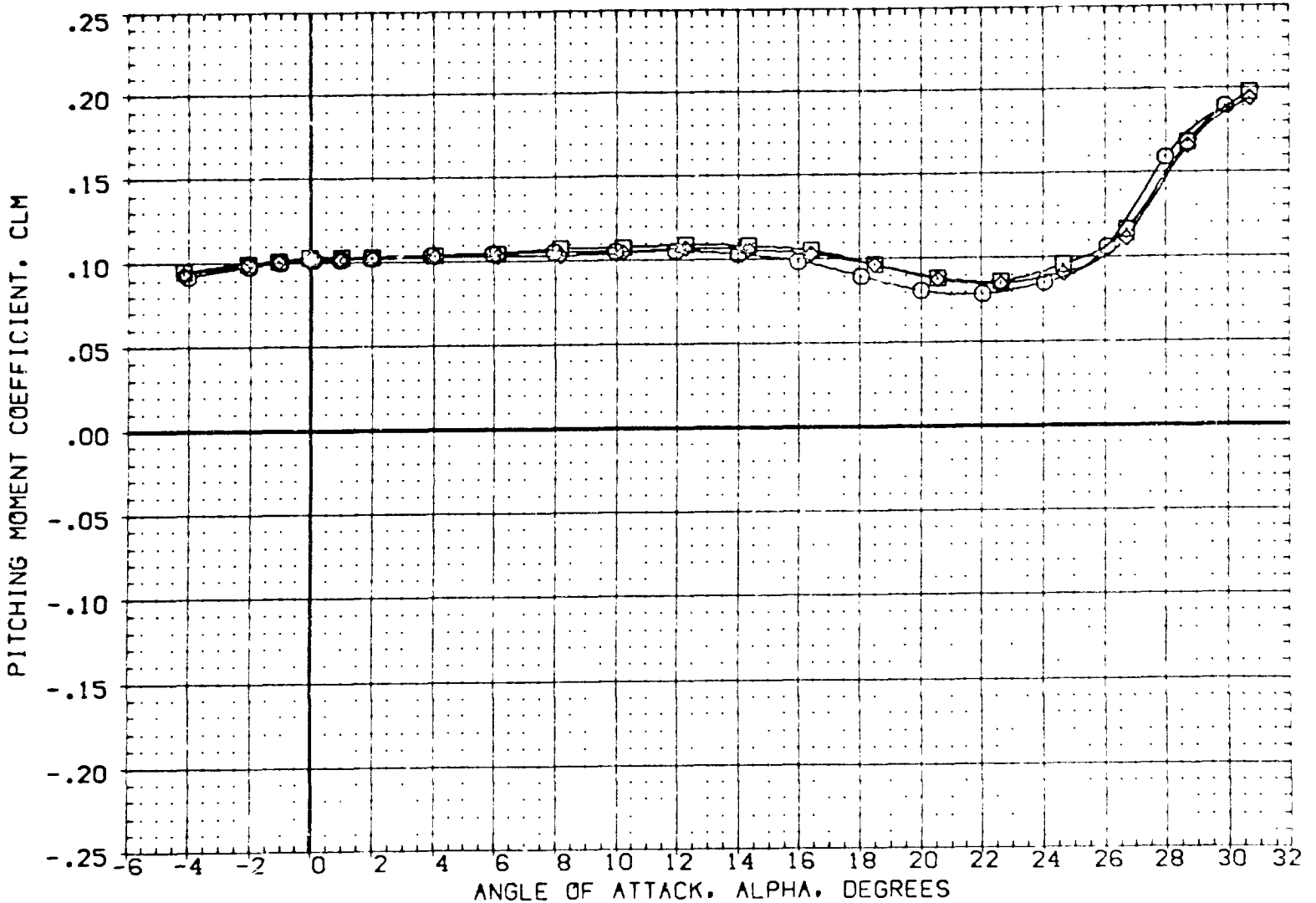



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | □ | 0AB6 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX106) | ◁ | 0AB6 | B42C9 | M7F8 | W118E26V8R5X9 |
| (ADX107) | ◇ | 0AB6 | B43C9 | M7F8 | W118E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

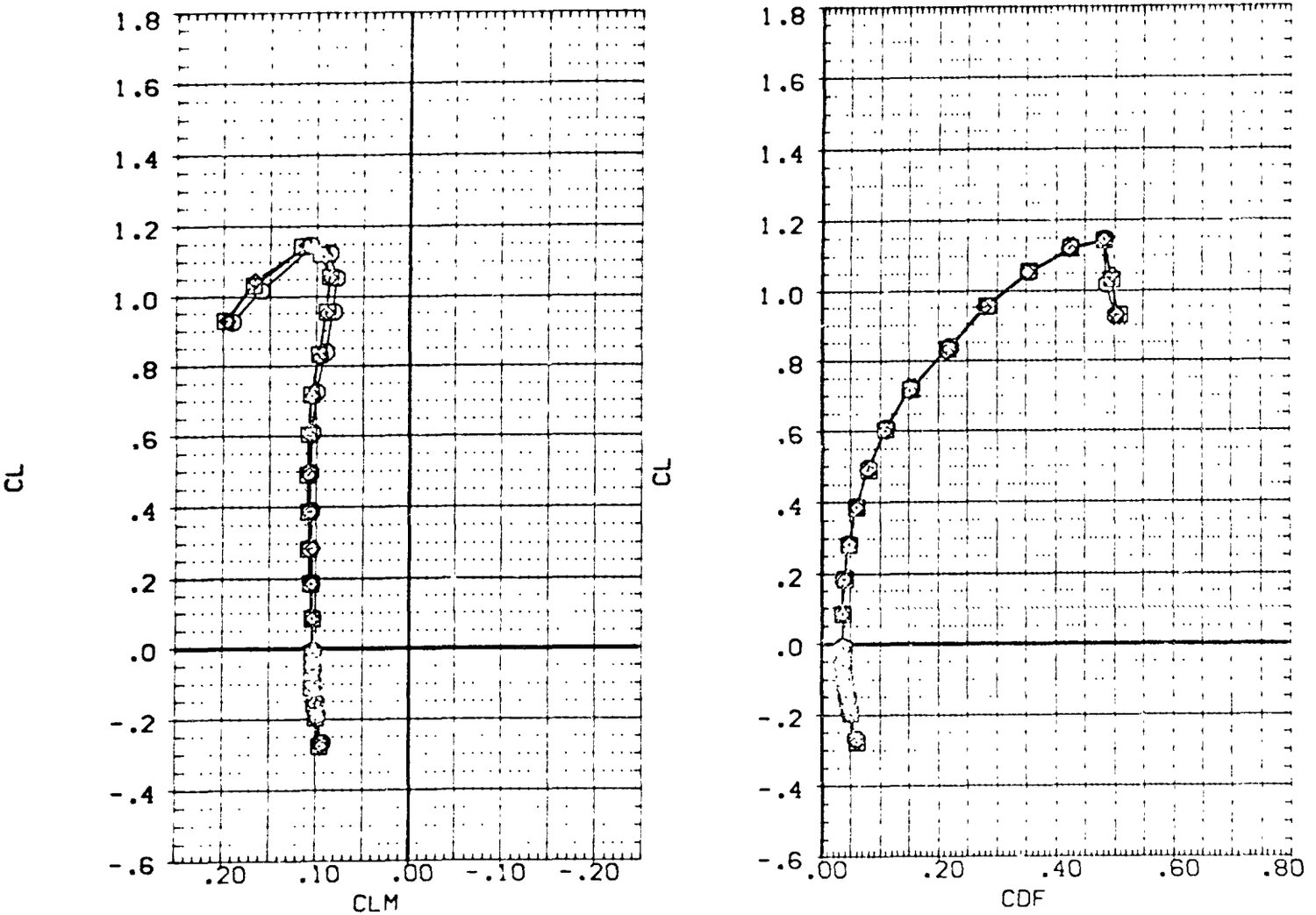



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MACH = .20

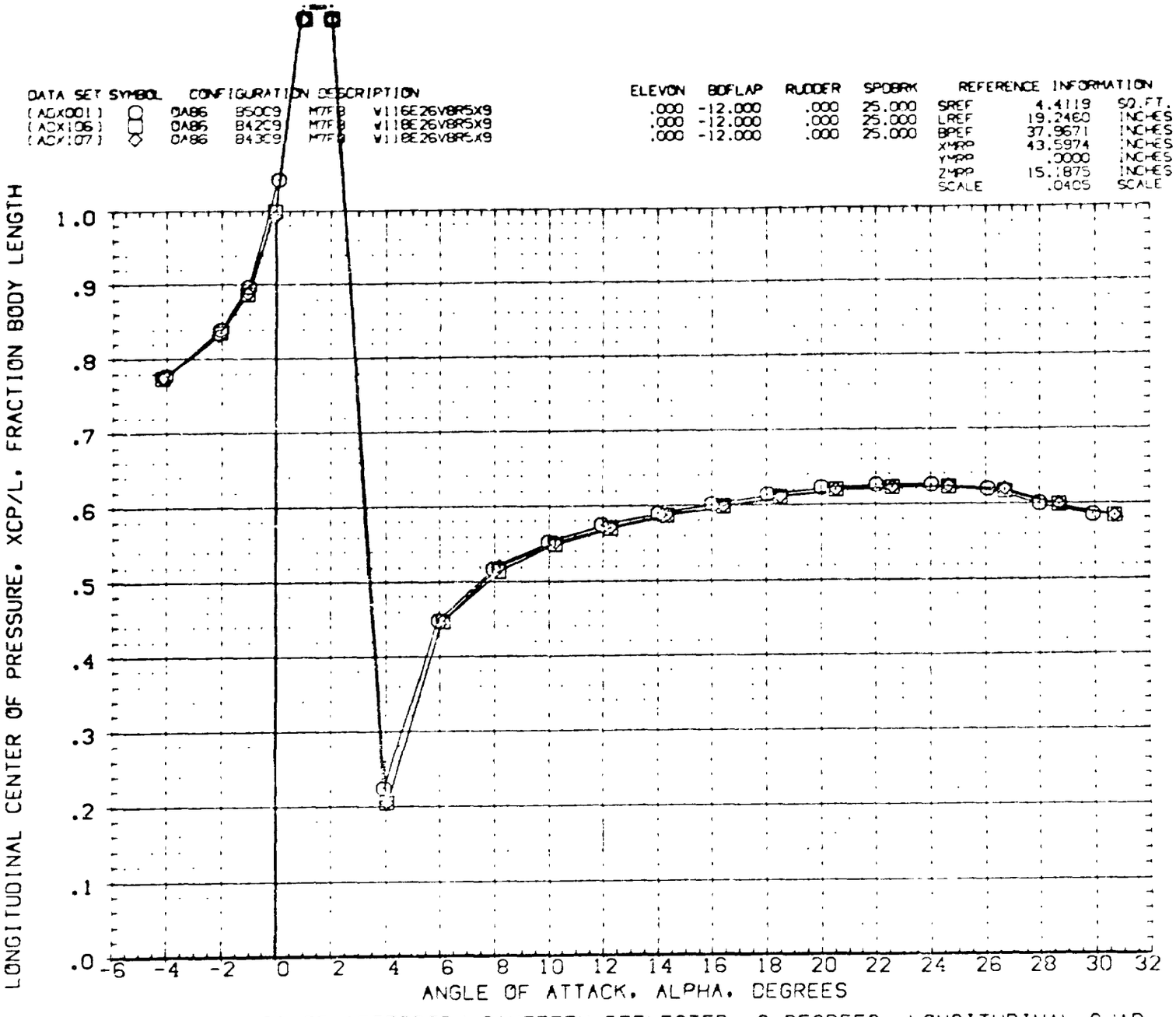



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | □ | DA86 | 850C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX106) | ◇ | DA86 | 842C9 | M7F8 | W118E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX107) | △ | DA86 | 843C9 | M7F8 | W118E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4.19 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.5671 | INCHES |
| xmpp | 43.5974 | INCHES |
| ympp | .0000 | INCHES |
| zmpp | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

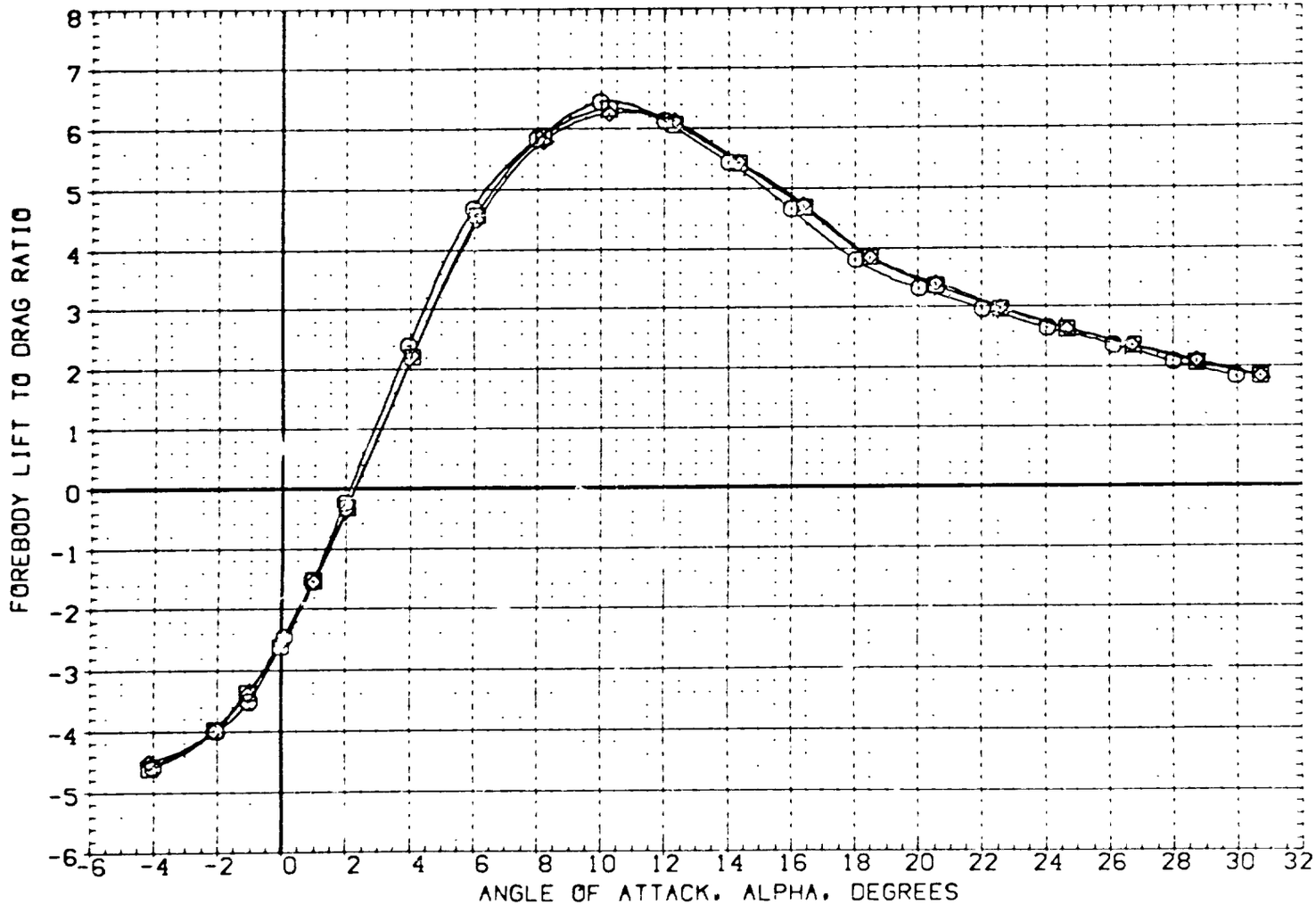



FIG 14 EFFECT OF AFTERBODY SAWTEETH DEFLECTED -6 DEGREES, LONGITUDINAL CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | CAB6 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX077) | □ | CAB6 | B38C9 | M7F8 | W116E26V8R5X9 |
| (ADX078) | ◇ | CAB6 | B39C9 | M7F8 | W116E26V8P5X9 |
| (ADX08C) | △ | CAB6 | B30C9 | M7F8 | W116E26V8P5X9 |
| (ADX079) | ▽ | CAB6 | B31C9 | M7F8 | W116E26V8P5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

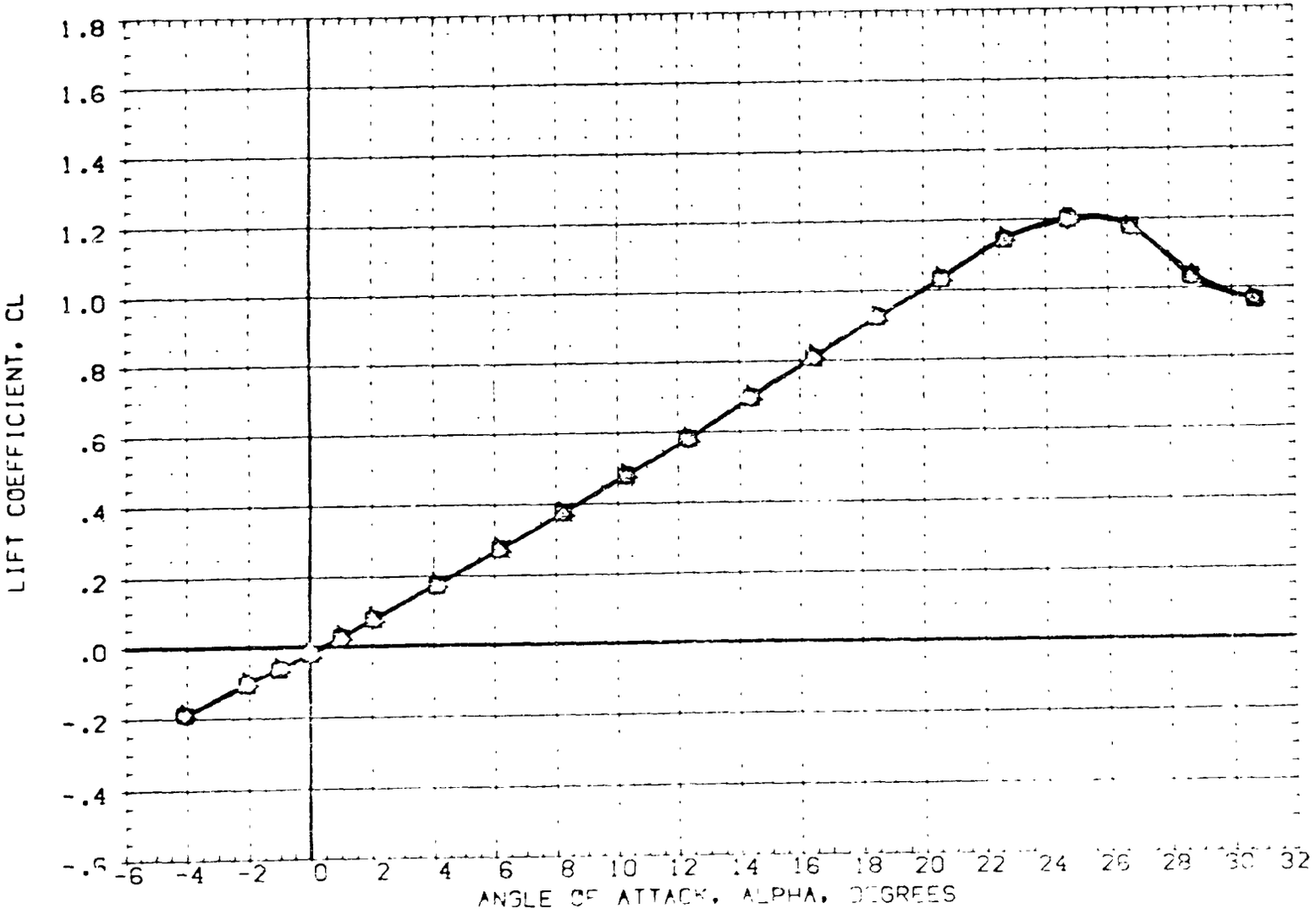



FIG 15 EFFECT OF [illegible] SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHA

(CA)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (ADXC76) | □ | CAB6 | B50C9 | M7F8 | W11GE26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| (ADXC77) | ◇ | CAB6 | B38C9 | M7F8 | W11GE26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| (ADXC78) | ⊠ | CAB6 | B39C9 | M7F8 | W11GE26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 | BREF | 37.6971 | INCHES |
| (ADXC8C) | △ | CAB6 | B30C9 | M7F8 | W11GE26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 | XMRP | 43.5974 | INCHES |
| (ADXC79) | ▽ | CAB6 | B31C9 | M7F8 | W11GE26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 | YMRP | .0000 | INCHES |
| | | | | | | | | | | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0400 | SCALE |

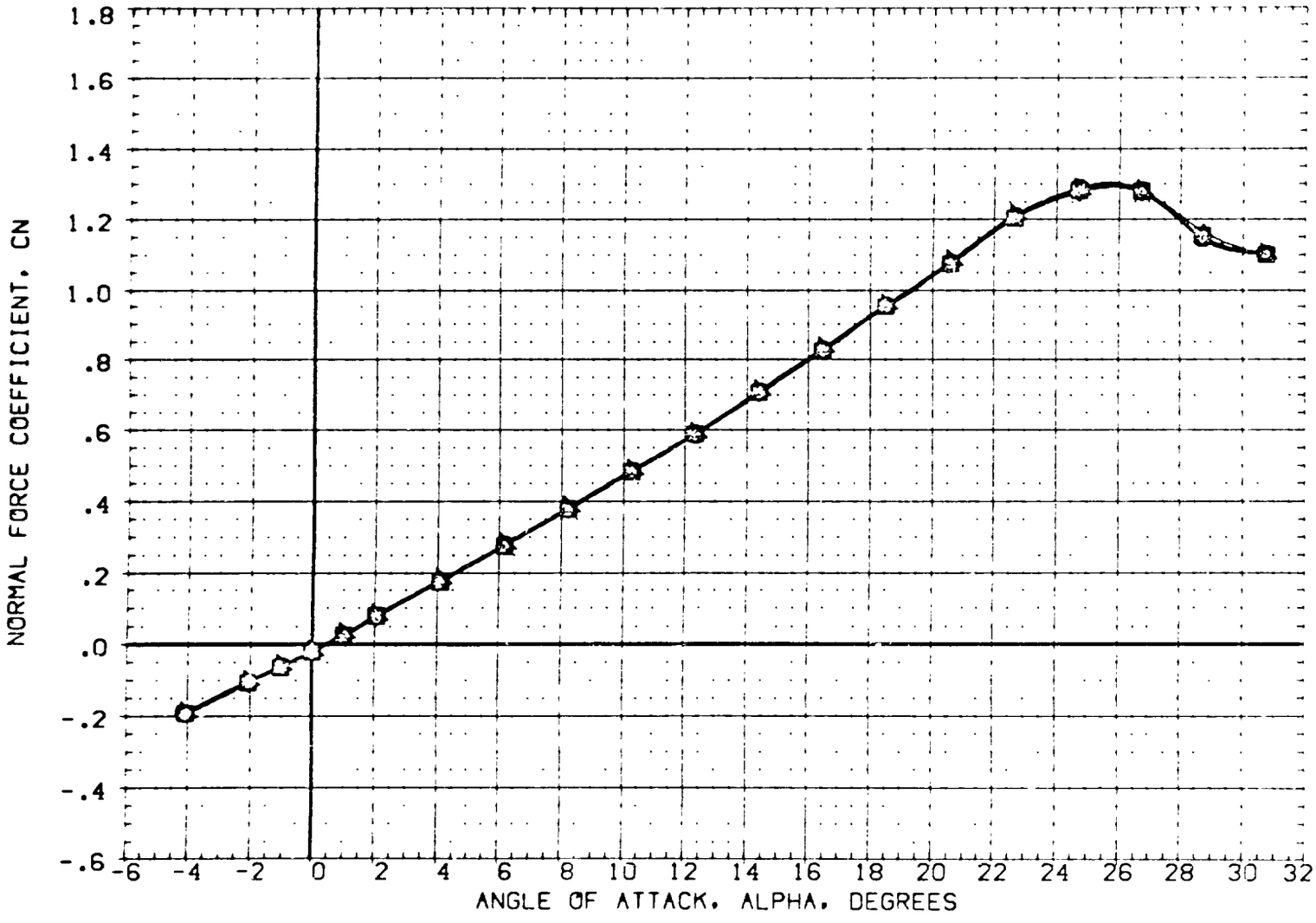



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AD#0[illegible]) | □ | CA86 | B50C9 | M7F8 | W1:16E26V8P5X9 |
| (AD#0377) | ○ | CA86 | B39C9 | M7F8 | W1:16E26V8P5X9 |
| (AD#0378) | ◇ | CA86 | B39C9 | M7F8 | W1:16E26V8P5X9 |
| (AD#0380) | △ | CA86 | B30C9 | M7F8 | W1:16E26V8P5X9 |
| (AD#0379) | ▽ | CA86 | B31C9 | M7F8 | W1:16E26V8P5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBPK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |
| 5.000 | -12.000 | .000 | 26.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4115 | SQ.FT. |
| LREF | 15.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

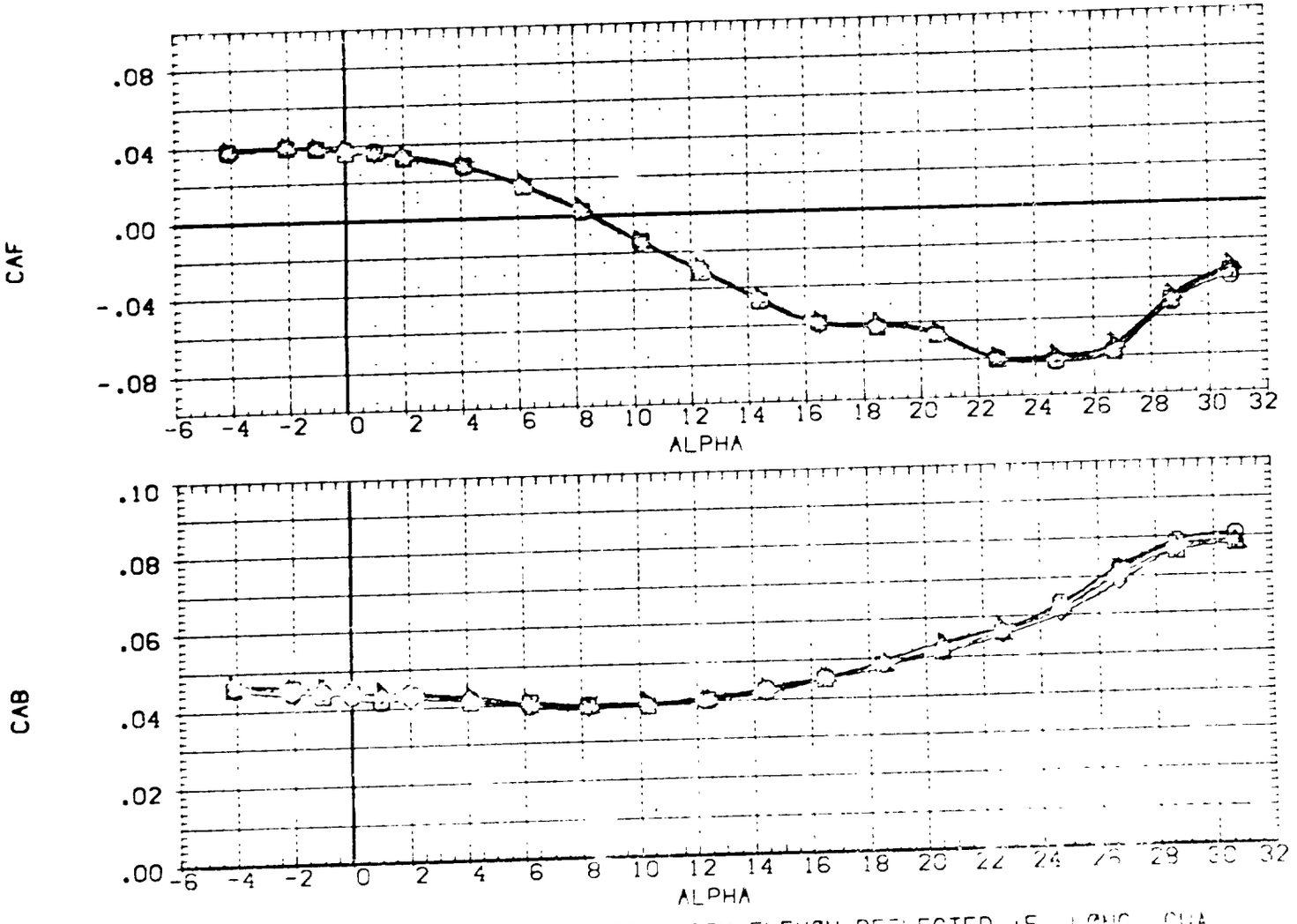



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHA

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| ADX076 | □ | CA86 | 850C9 | M7F8 | W1166E26V8P5X9 |
| ADX077 | △ | CA86 | 838C9 | M7F8 | W1165E26V8P5X9 |
| ADX078 | ◇ | CA86 | 839C9 | M7F8 | W1165E26V8P5X9 |
| ADX080 | ○ | CA86 | 830C9 | M7F8 | W1166E26V8P5X9 |
| ADX079 | ⊥ | CA86 | 83.C9 | M7F8 | W1166E26V8P5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.0667 | INCHES |
| XMRP | 43.0274 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1870 | INCHES |
| SCALE | .0100 | SCALE |

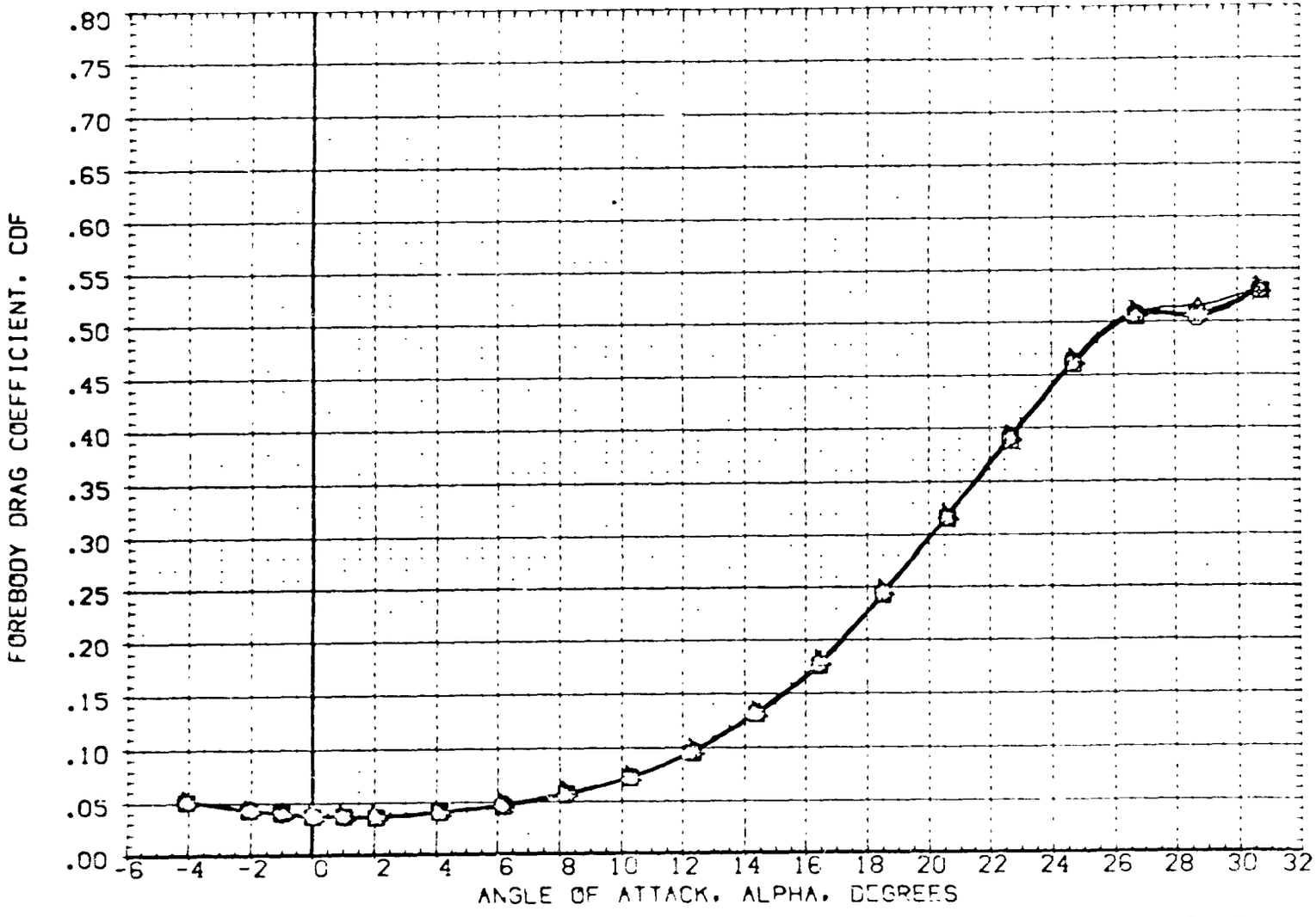



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHAR

(A)MACH = .20

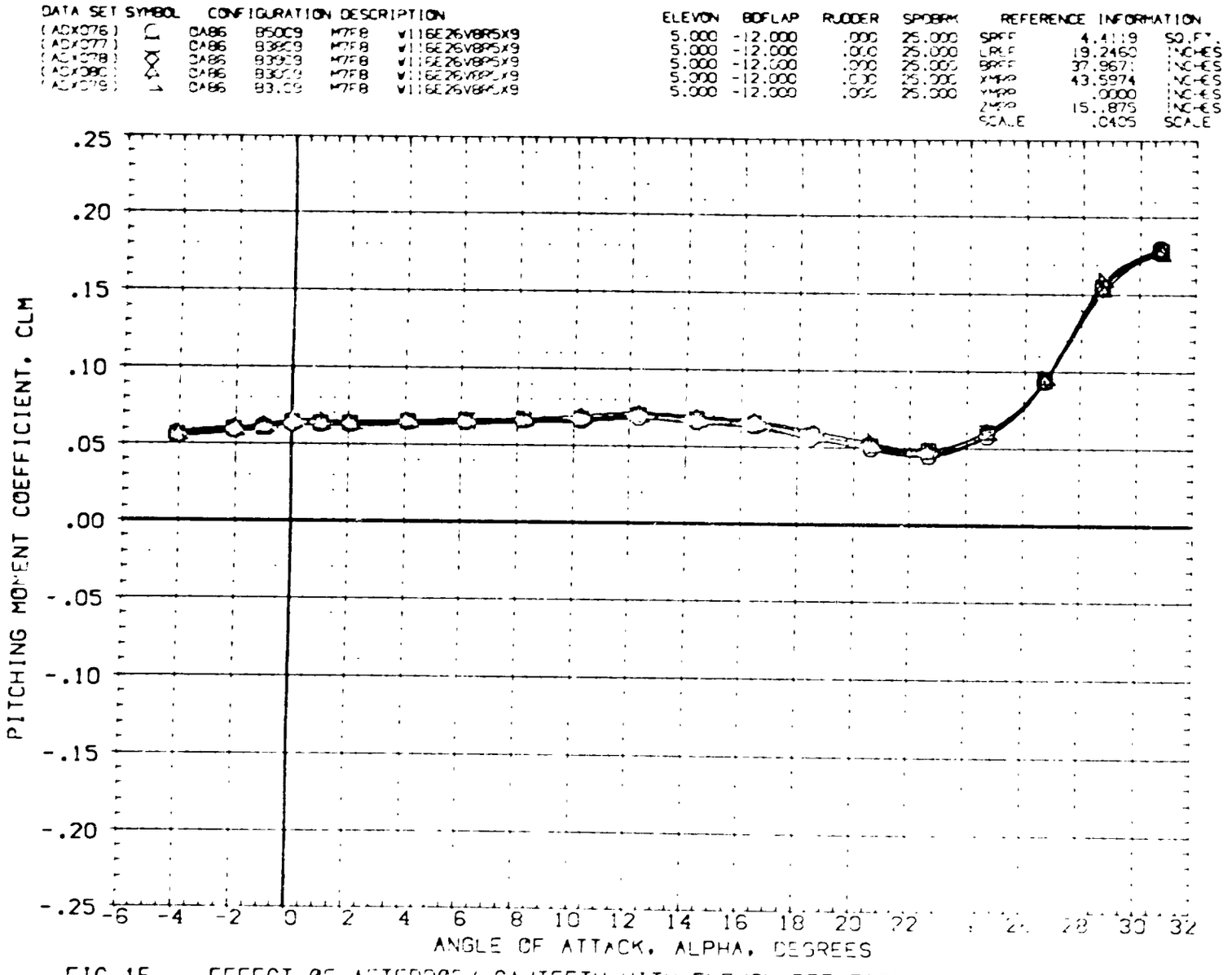



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHA

(ADMAC = .20

PAGE 19

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | DA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX077) | ◇ | DA86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (ADX078) | ⋈ | DA86 | B39C9 | M7F8 | W116E26V8R5X9 |
| (ADX08[illegible]) | △ | DA86 | B30C9 | M7F8 | W[illegible]E26V8R5X9 |
| (ADX079) | ⊔ | DA86 | B31C9 | M7F8 | W[illegible]E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

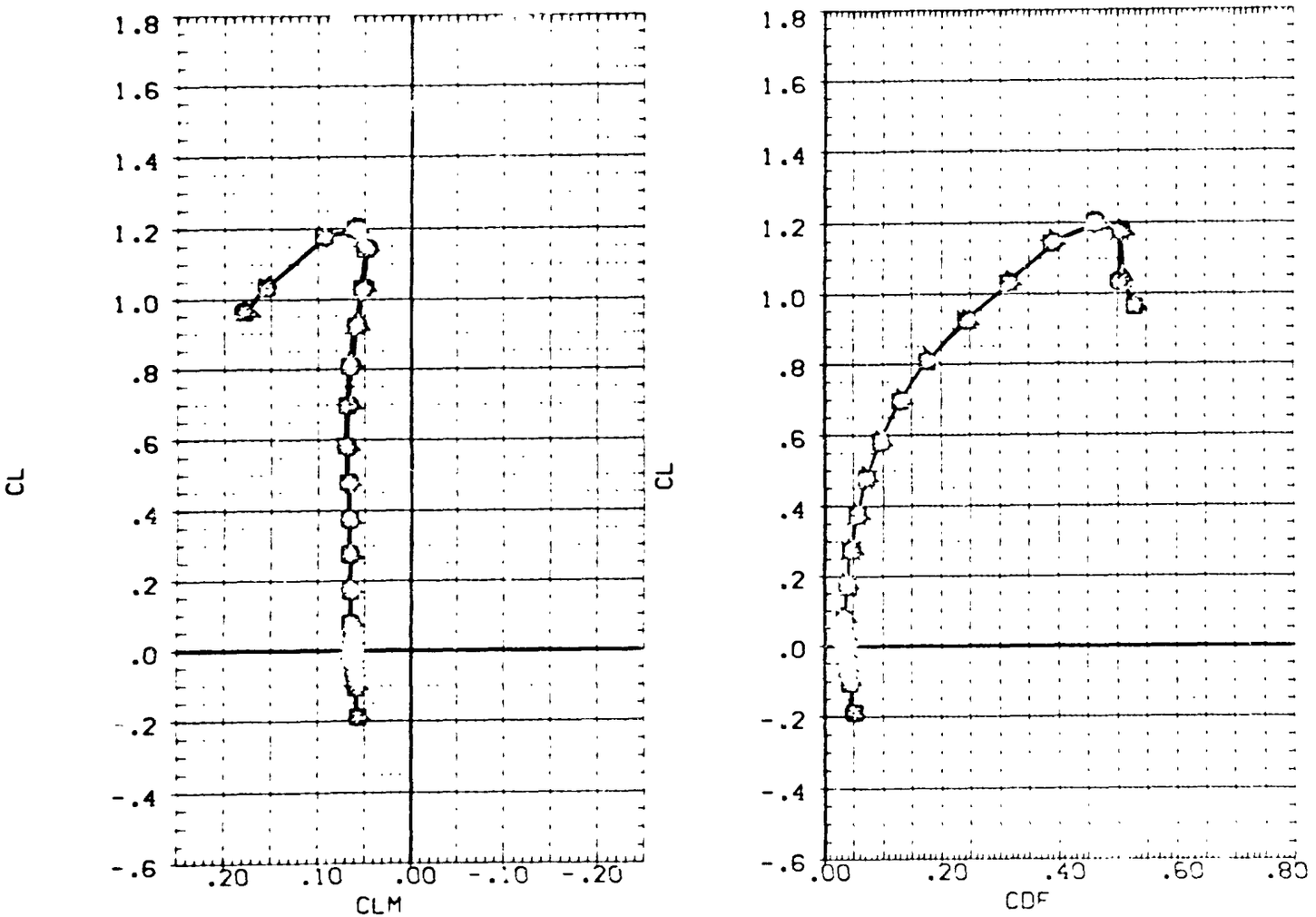



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHAR

(A)MACH = .20

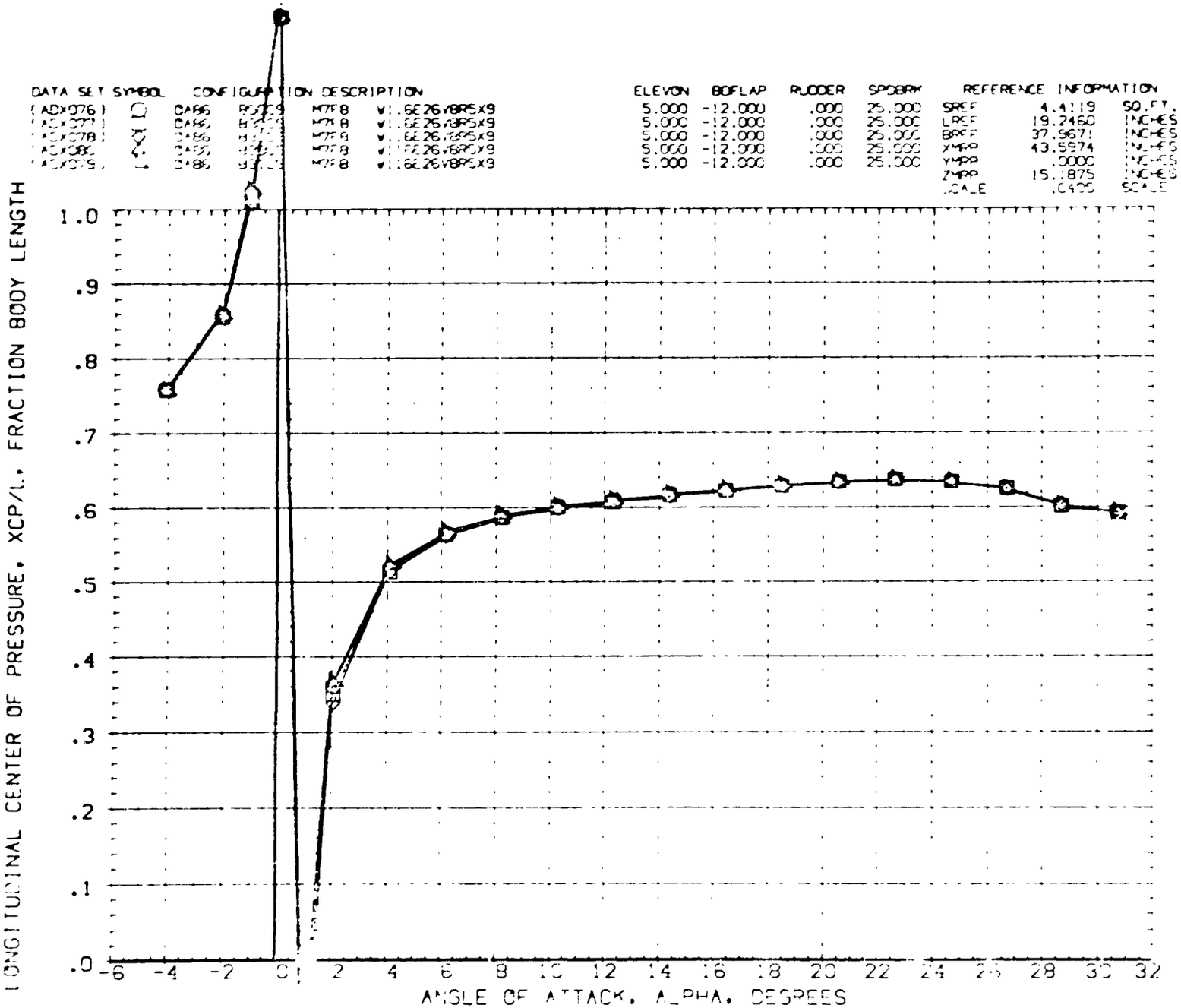



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHA

(A)MACH .20

PAGE

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AD#076) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (AD#077) | ○ | CA86 | B38C9 | M7F8 | W116E26V8R5X9 |
| (AD#078) | △ | CA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (AD#080) | ▽ | CA86 | B30C9 | M7F8 | W116E26V8R5X9 |
| (AD#079) | ◇ | CA86 | B30C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 1.2450 | INCHES |
| BREF | 3.6671 | INCHES |
| XMRP | 43.5174 | INCHES |
| YMRP | 0.00 | INCHES |
| ZMRP | 15.1470 | INCHES |
| SCALE | .0400 | SCA |

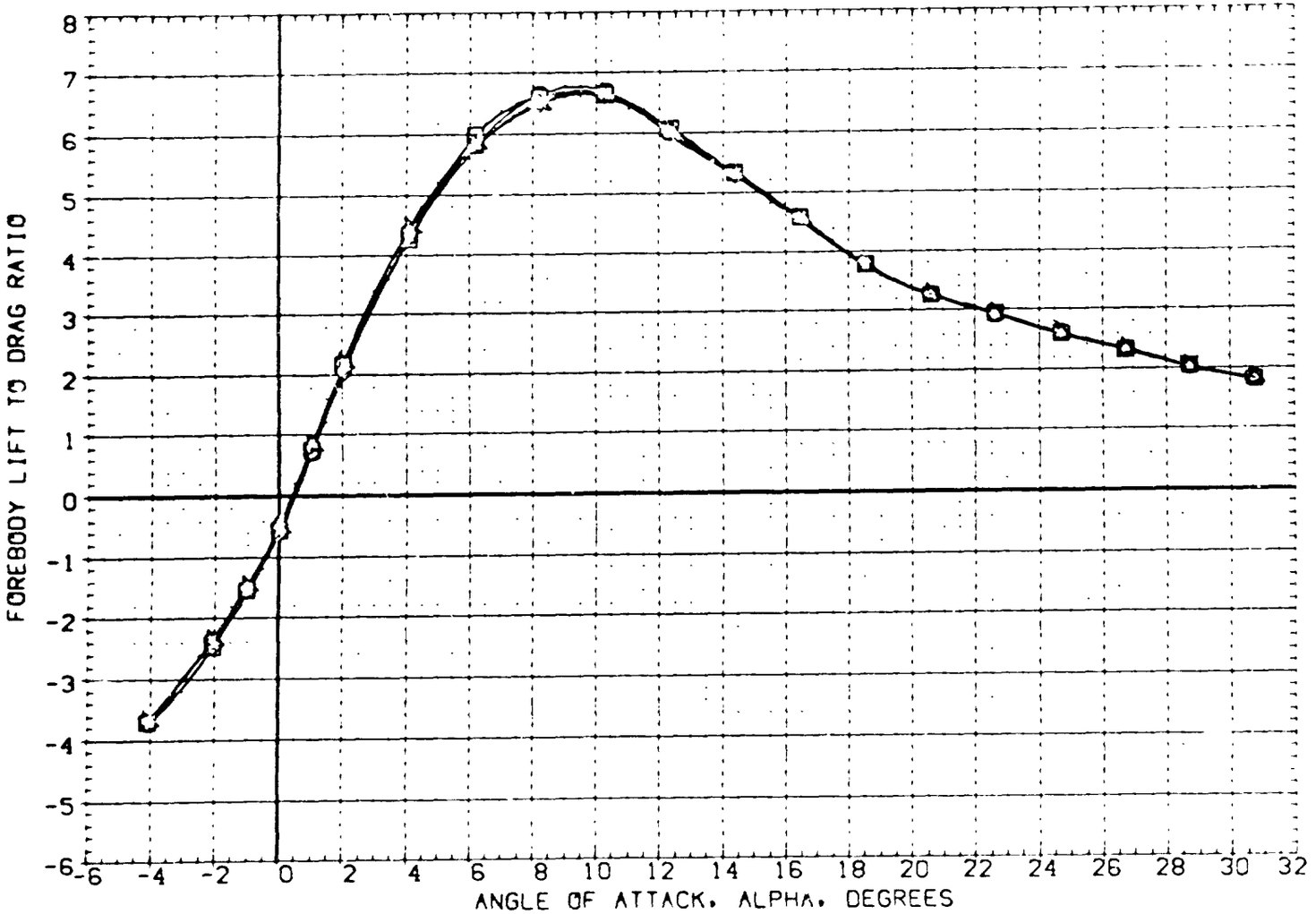



FIG 15 EFFECT OF AFTERBODY SAWTEETH WITH ELEVON DEFLECTED +5, LONG. CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX129, | □ | 0AB6 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RDX134) | △ | 0AB6 | B45C9 | M7F8 | W116E26V8R5X9 |
| (RDX130 | ◇ | 0AB6 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RDX135) | ⊠ | 0AB6 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | 25.000 |
| .000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9621 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.875 | INCHES |
| SCALE | .0400 | SCALE |

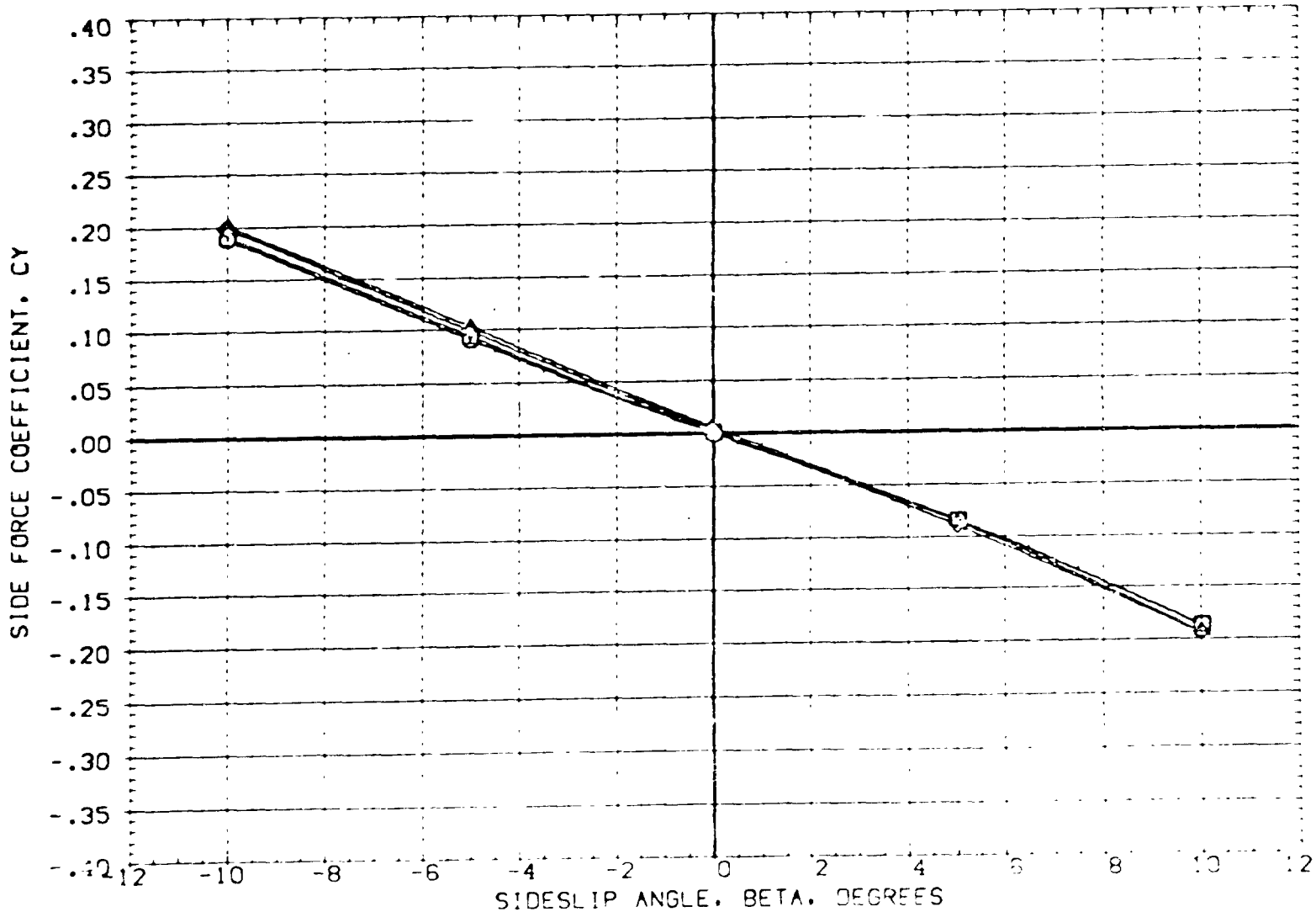



FIG 16 EFFECT OF ANGLE OF ATTACK ON AFTERBODY S WTEETH, 5 DEG ELEVON LA[illegible]NAR

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RUN 129) | □ | OAB6 | B44C9 | M7F8 | W116E26VBR5X9 |
| (RUN 34) | | OAB6 | B45C9 | M7F8 | W116E26VBR5X9 |
| (RUN 130) | ◇ | OAB6 | B44C9 | M7F8 | W116E26VBR5X9 |
| (RUN 35) | | OAB6 | B45C9 | M7F8 | W116E26VBR5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | 25.000 |
| .000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 9.4119 | SQ.FT. |
| LREF | 19.2456 | INCHES |
| RMX | 37.6577 | INCHES |
| XMRP | 43.0[illegible]4 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.[illegible] | INCHES |
| SCALE | .[illegible] | SCALE |

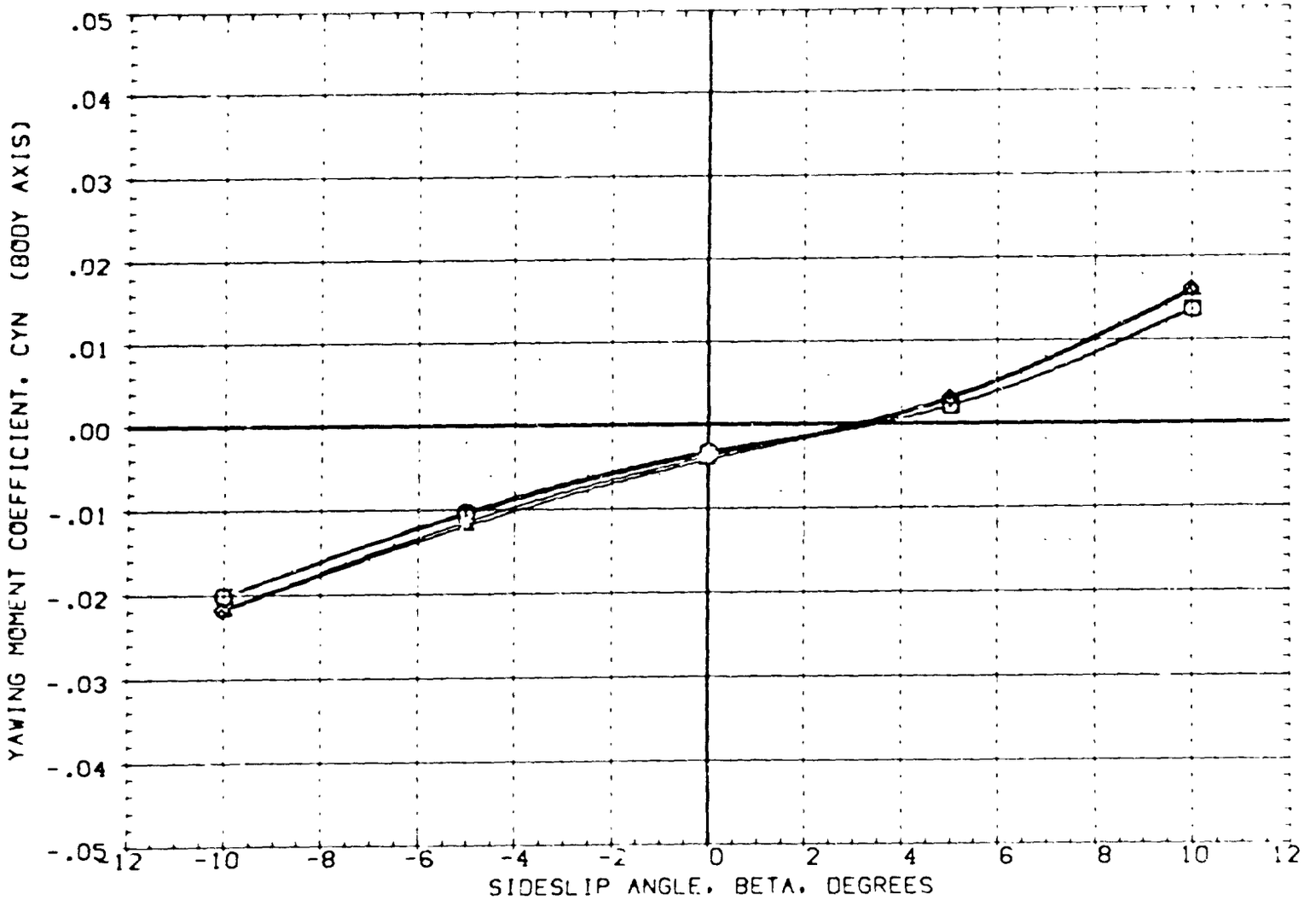



FIG 16 EFFECT OF ANGLE OF ATTACK ON AFTERBODY SAWTEETH, 5 DEG ELEVON LA CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX129) | ○ | OA86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (ROX134) | □ | OA86 | B45C9 | M7F8 | W116E26V8P5X9 |
| (ROX130) | ◇ | OA86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (ROX135) | △ | OA86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | 25.000 |
| .000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

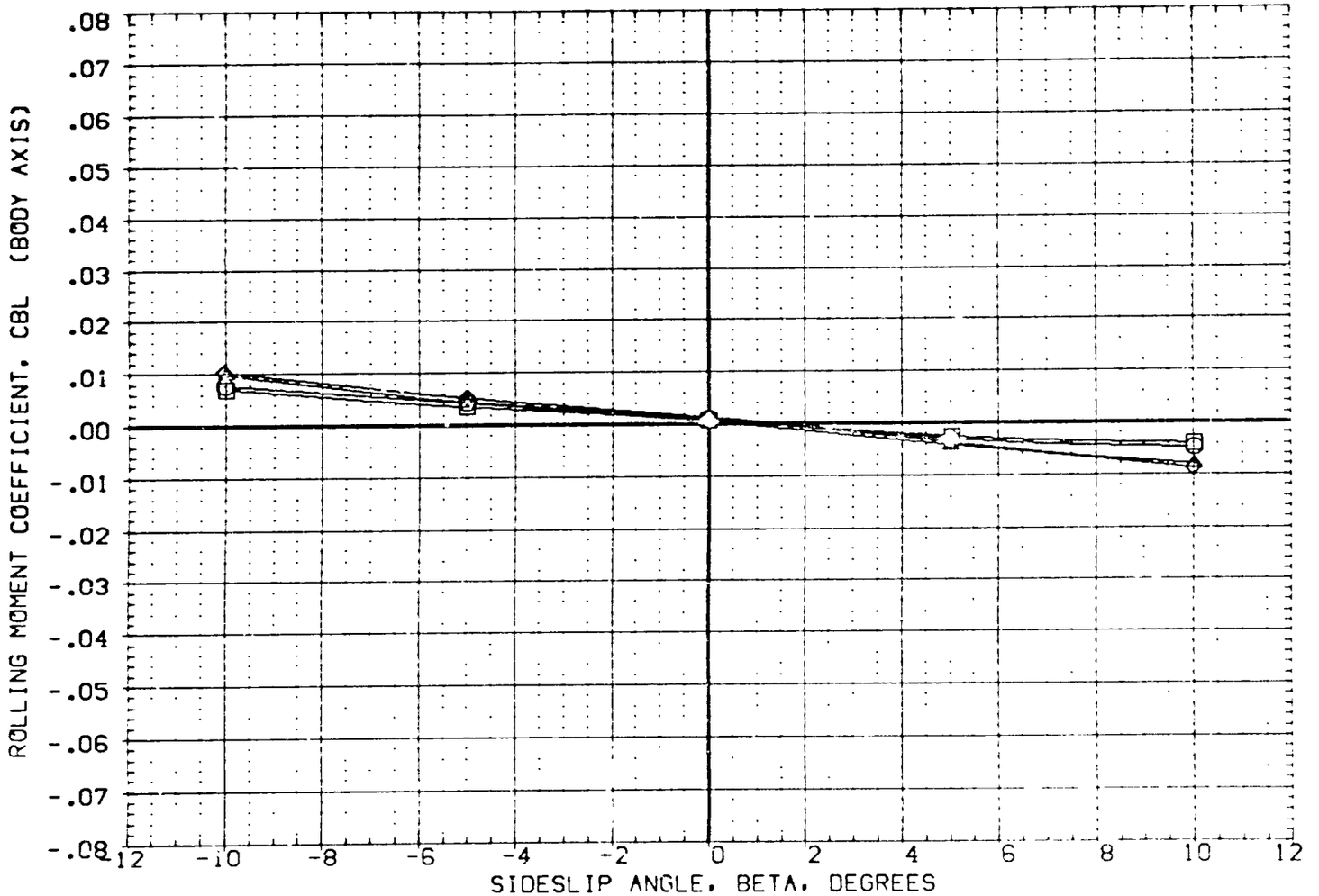



FIG 16 EFFECT OF ANGLE OF ATTACK ON AFTERBODY SAWTEETH, 5 DEG ELEVON LAT CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX131) | Ω | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | 25.000 |
| (ROX136) | | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | 25.000 |
| (ROX132) | Σ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | 25.000 |
| (ROX137) | | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.8[illegible] | INCHES |
| SCALE | .0[illegible] | SCALE |

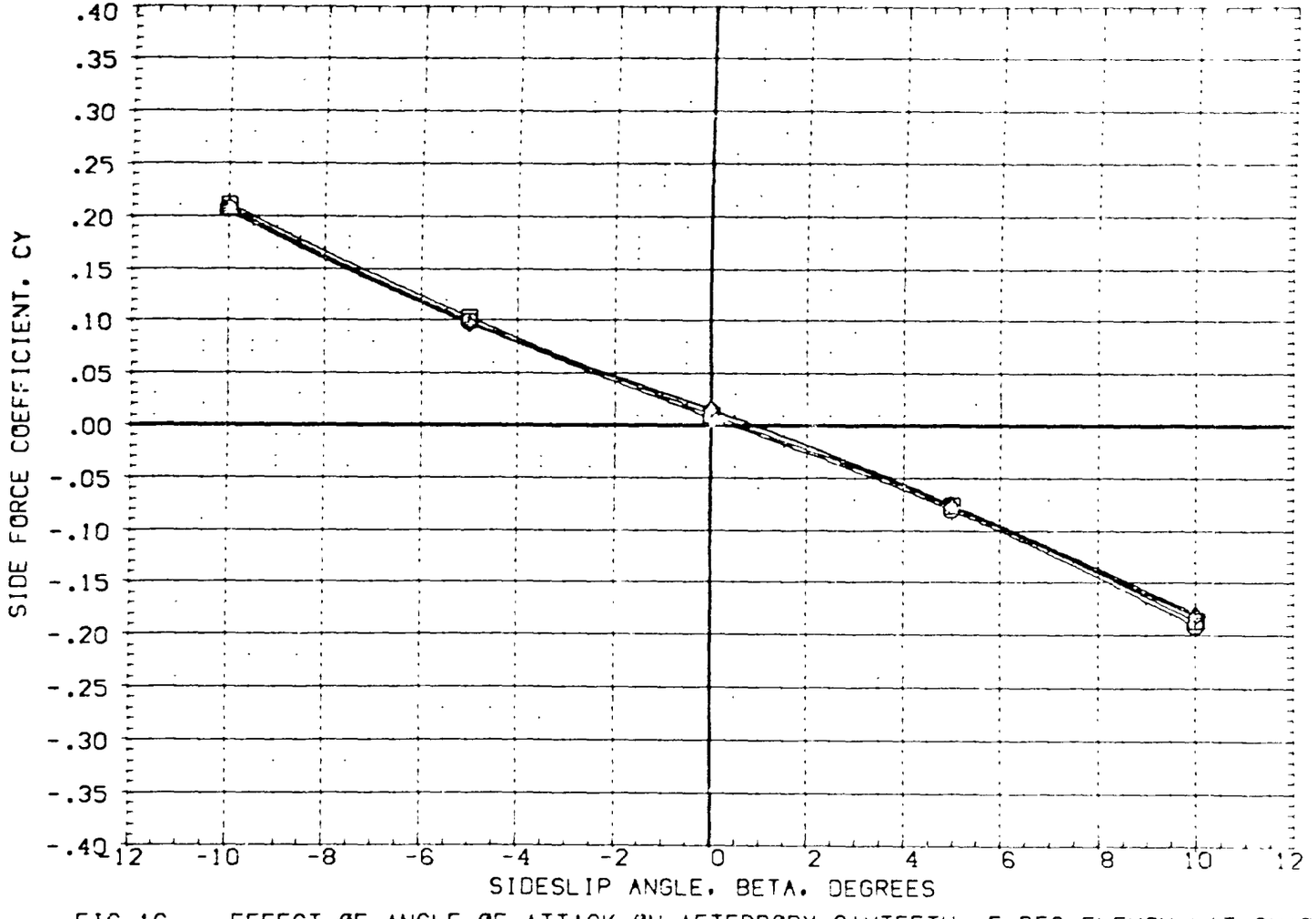



FIG 16 EFFECT OF ANGLE OF ATTACK ON AFTERBODY SAWTEETH, 5 DEG ELEVON LAT CHAR

CA)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX131) | ○ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RDX136) | □ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |
| (RDX132) | ◇ | 0A86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (RDX137) | △ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | 5.000 | .000 | 25.000 |
| 10.000 | 5.000 | .000 | 25.000 |
| 15.000 | 5.000 | .000 | 25.000 |
| 15.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

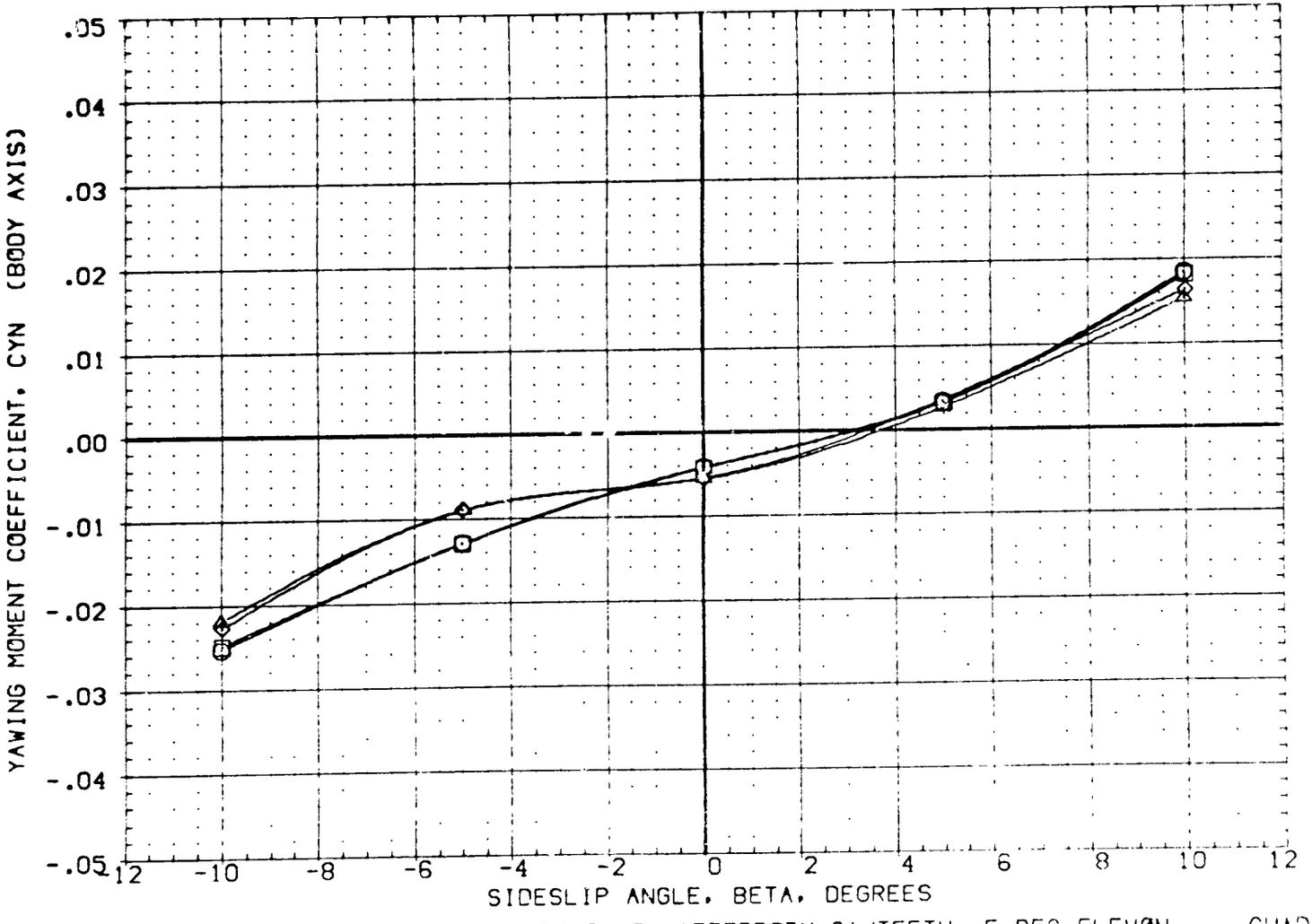



FIG 16 EFFECT OF ANGLE OF ATTACK ON AFTERBODY SAWTEETH, 5 DEG ELEVON [illegible] CHAP

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R5x(3[) | ☐ | 0A86 | B44C9 | M7F8 | W1[6E26V8R5X9 |
| (R5x(36) | △ | 0A86 | B45C9 | M7F8 | W1[6E26V8R5X9 |
| (R5x(32) | ⊠ | 0A86 | B44C9 | M7F8 | W1[6E26V8R5X9 |
| (R5x(37) | ◇ | 0A86 | B45C9 | M7F8 | W1[6E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | [illegible].000 | .000 | 25.000 |
| 10.000 | 5.000 | .000 | 25.000 |
| 15.000 | 5.000 | .000 | 25.000 |
| 15.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9[illegible] | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

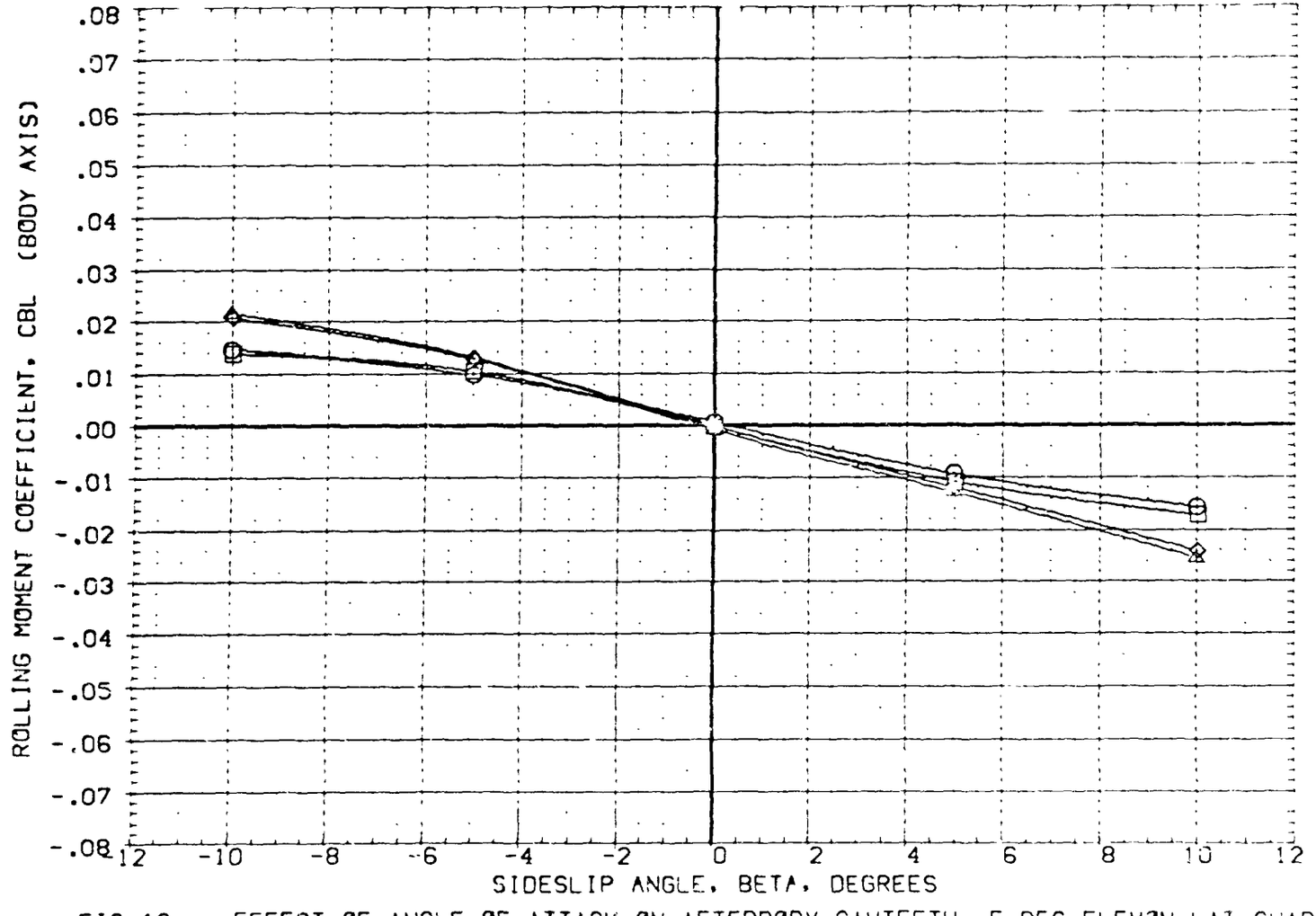



FIG 16 EFFECT OF ANGLE OF ATTACK ON AFTERBODY SAWTEETH, 5 DEG ELEVON LAT CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | BA36 | B50C9 | M7F8 | W116E76V8R5X9 |
| (ADX128) | ◇ | BA86 | B44C9 | M7F8 | W116E26V8R5X9 |
| (ADX133) | ◇ | BA85 | B45C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9657 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15..1875 | INCHES |
| SCALE | .0405 | SCALE |

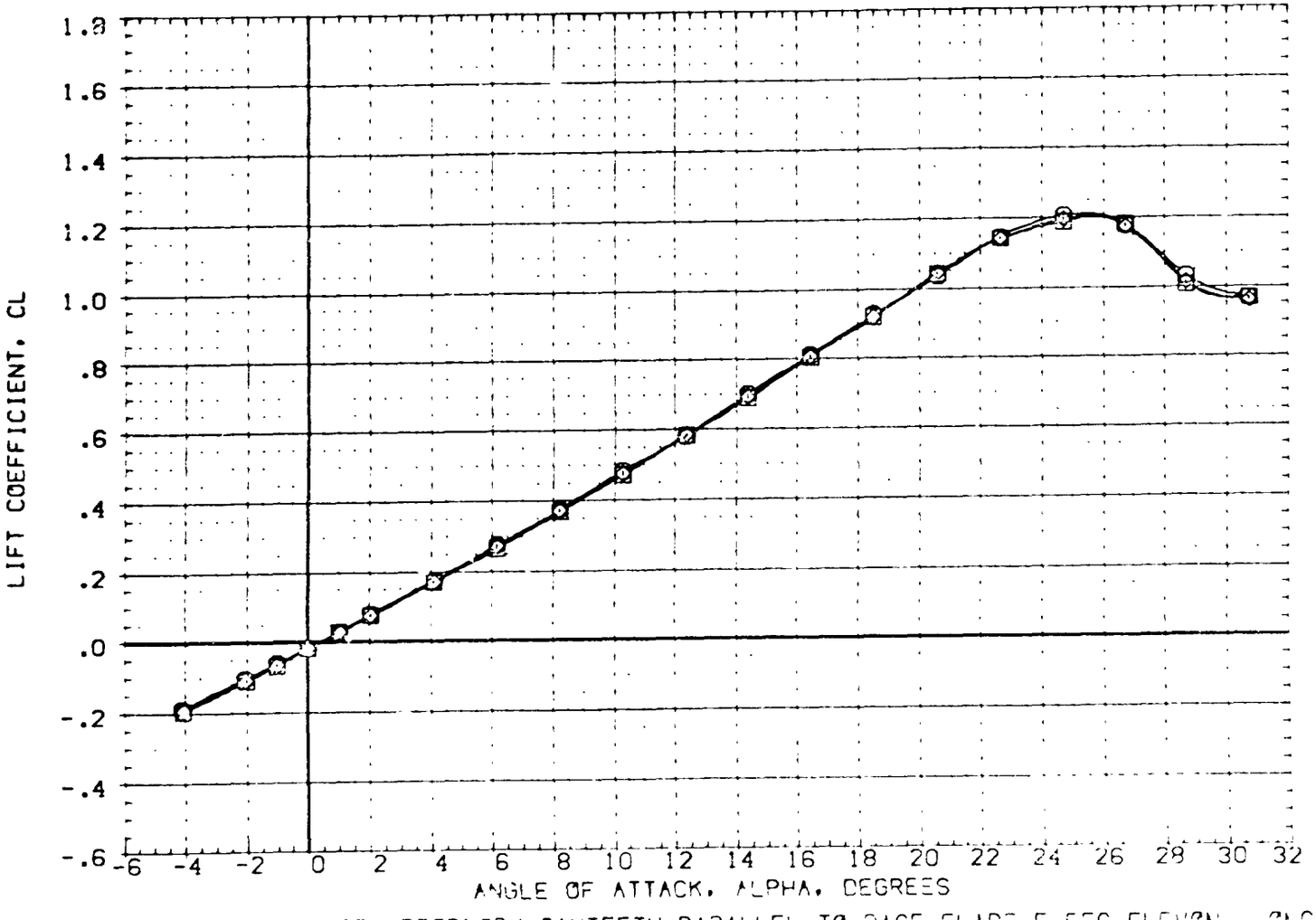



FIG 17 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE 5 DEG ELEVON LONG

ADMAC = .20

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| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOILRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX076) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X3 | 5.000 | -12.000 | .000 | 25.000 |
| (ADX128) | △ | CA86 | B44C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 |
| (ADX133) | ○ | CA86 | B45C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.41 9 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.85 11 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.18 [illegible] | INCHES |
| SCALE | .0415 | SCALE |

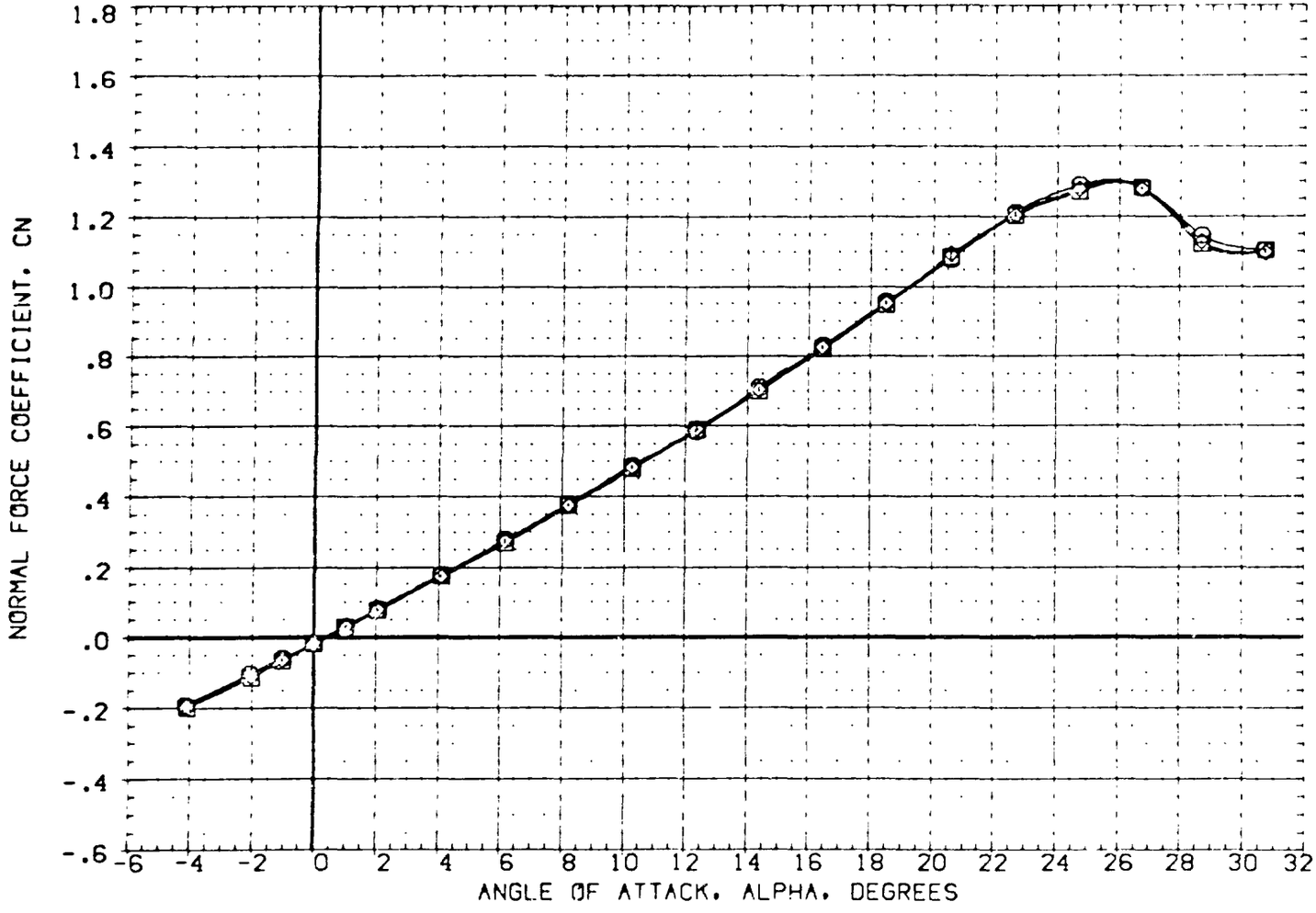



FIG 17 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE 5 DEG ELEVON, LONG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|---|
| (ADx(0)5) | □ | 0A86 | 9500 | M7F8 | W116E26V8P5X9 | |
| (ADx128 | ◇ | 0A86 | 8440 | M7F8 | W116E26V8P5X9 | |
| (ADx133. | ▽ | 0A86 | 8400 | M7F8 | W116E26V8P5X9 | |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9622 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0100 | SCALE |

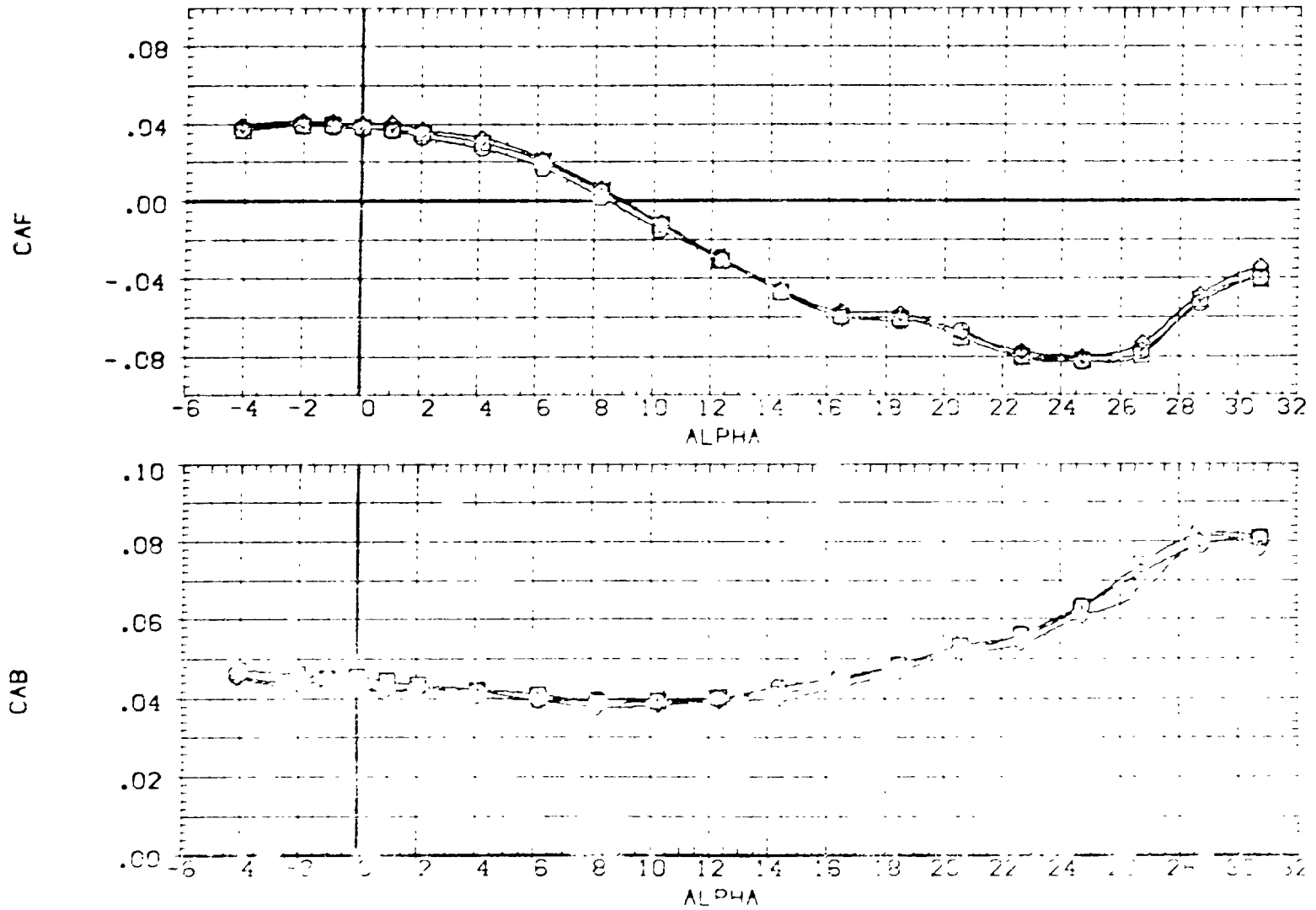



FIG 17 EFFECT OF SAWTEETH PARALLEL TO BASE FLARE S JG ELE

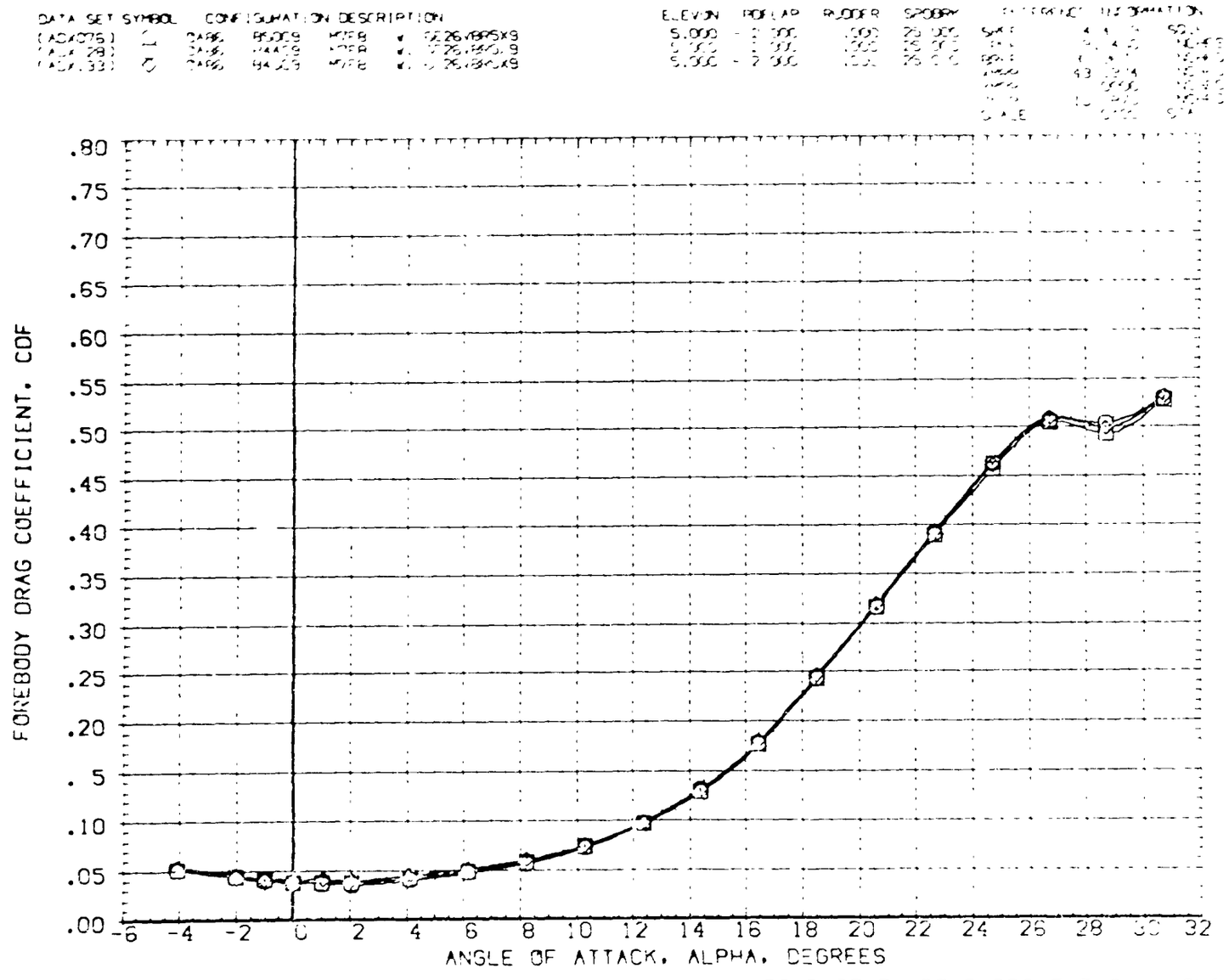



FIG 17 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE 5 DEG ELEVON, LONG

(A) MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|---|
| (ADX076) | □ | 0A86 | 8500C9 | M7F8 | W116E26V8R5X9 | |
| (ADX128) | ◇ | 0A86 | 8440C9 | M7F8 | W116E26V8R5X9 | |
| (ADX133) | | 0A86 | 8450C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

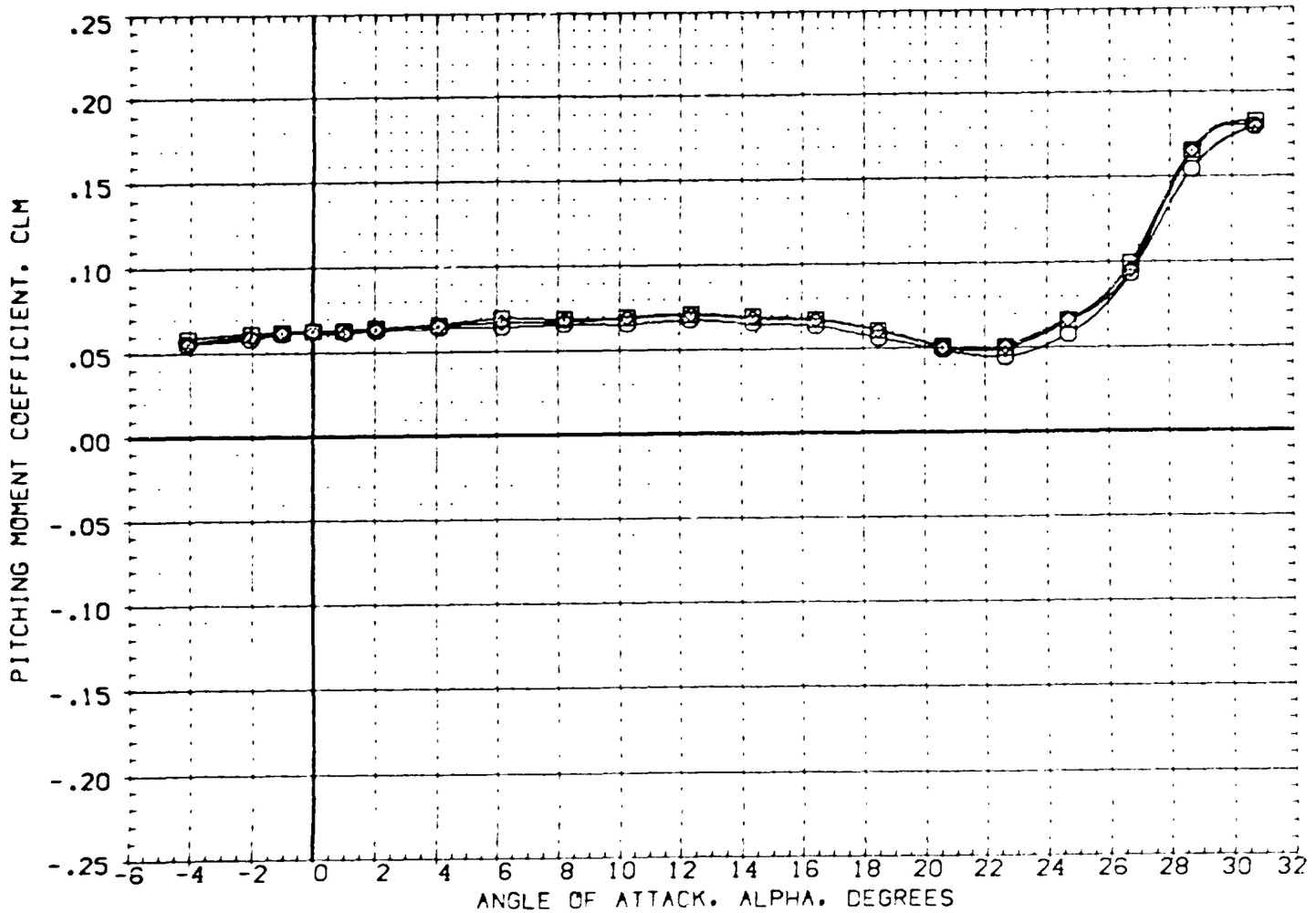


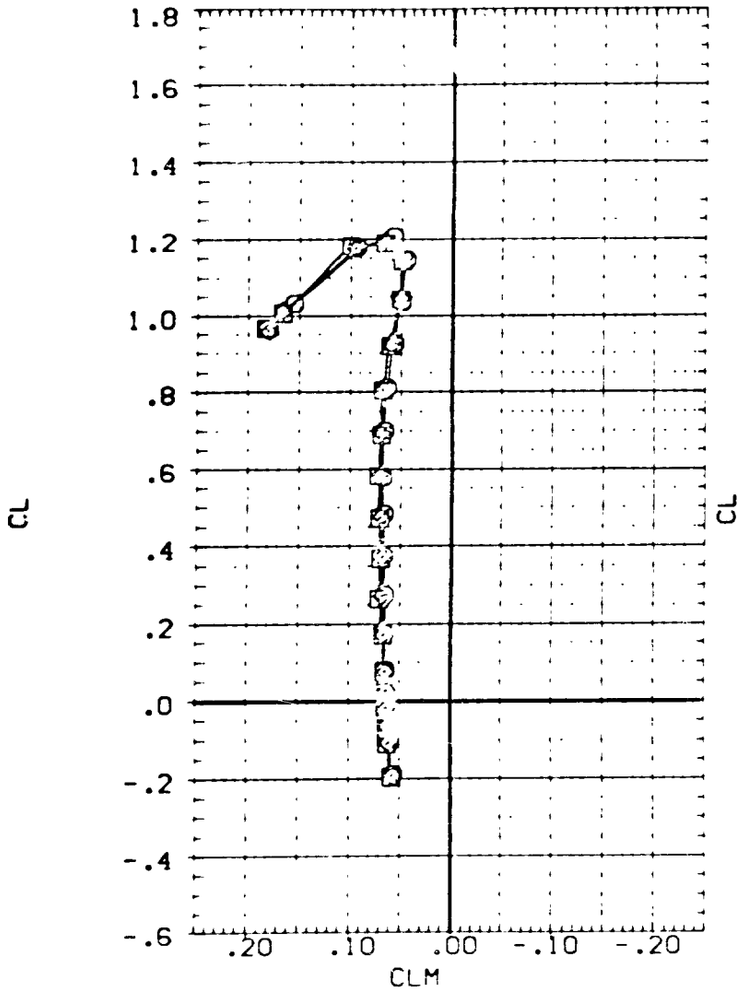

FIG 17 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE 5 DEG ELEVON, LONG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | 0A86 | 9500C9 | M7F8 | W11GE26V8R5X9 |
| (ADX128) | ◇ | 0A86 | 9440C9 | M7F8 | W11GE26V8R5X9 |
| (ADX133) | ◇ | 0A86 | 9450C9 | M7F8 | W11GE26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 3[illegible].9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.[illegible]970 | INCHES |
| SCALE | .0400 | SCALE |



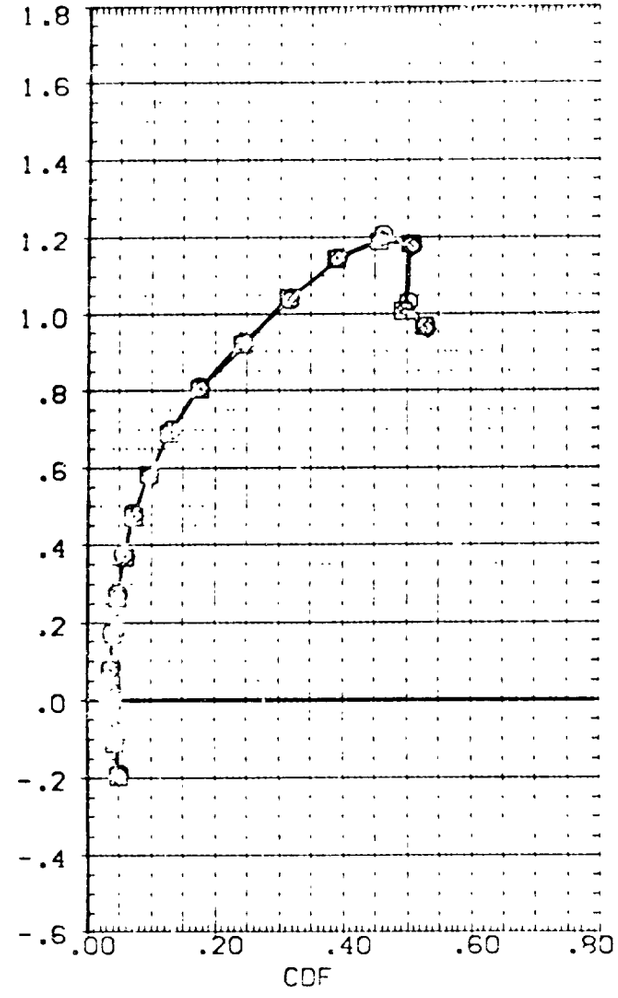




FIG 17 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE 5 DEG ELEVON, LONG

(A)MACH = .20

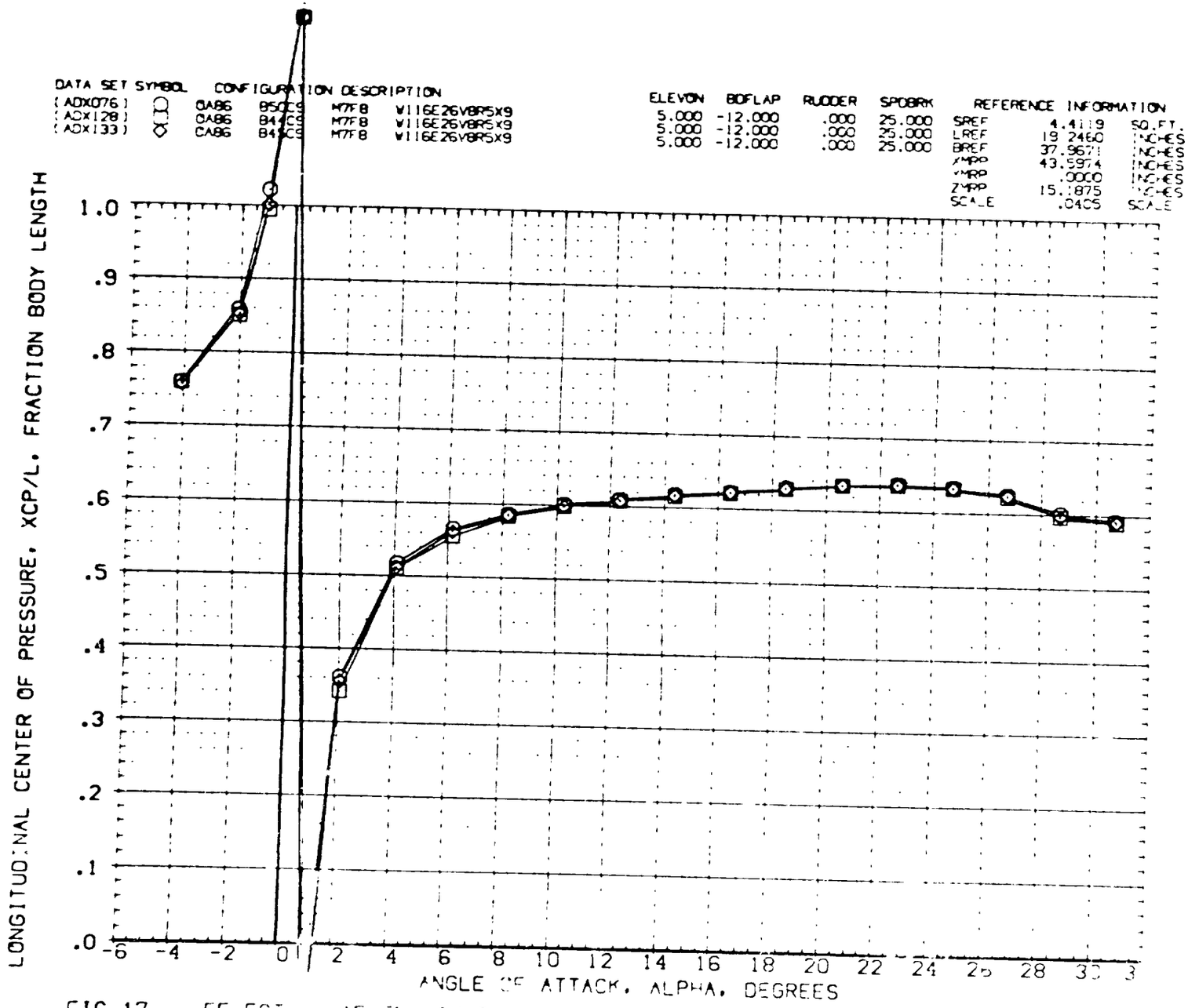



FIG 17 EFFECT OF AFTER BODY SAWTEETH PARALLEL TO BASE FLARE 5 , 0 ELEVON

(A)MACH = .20

PAGE

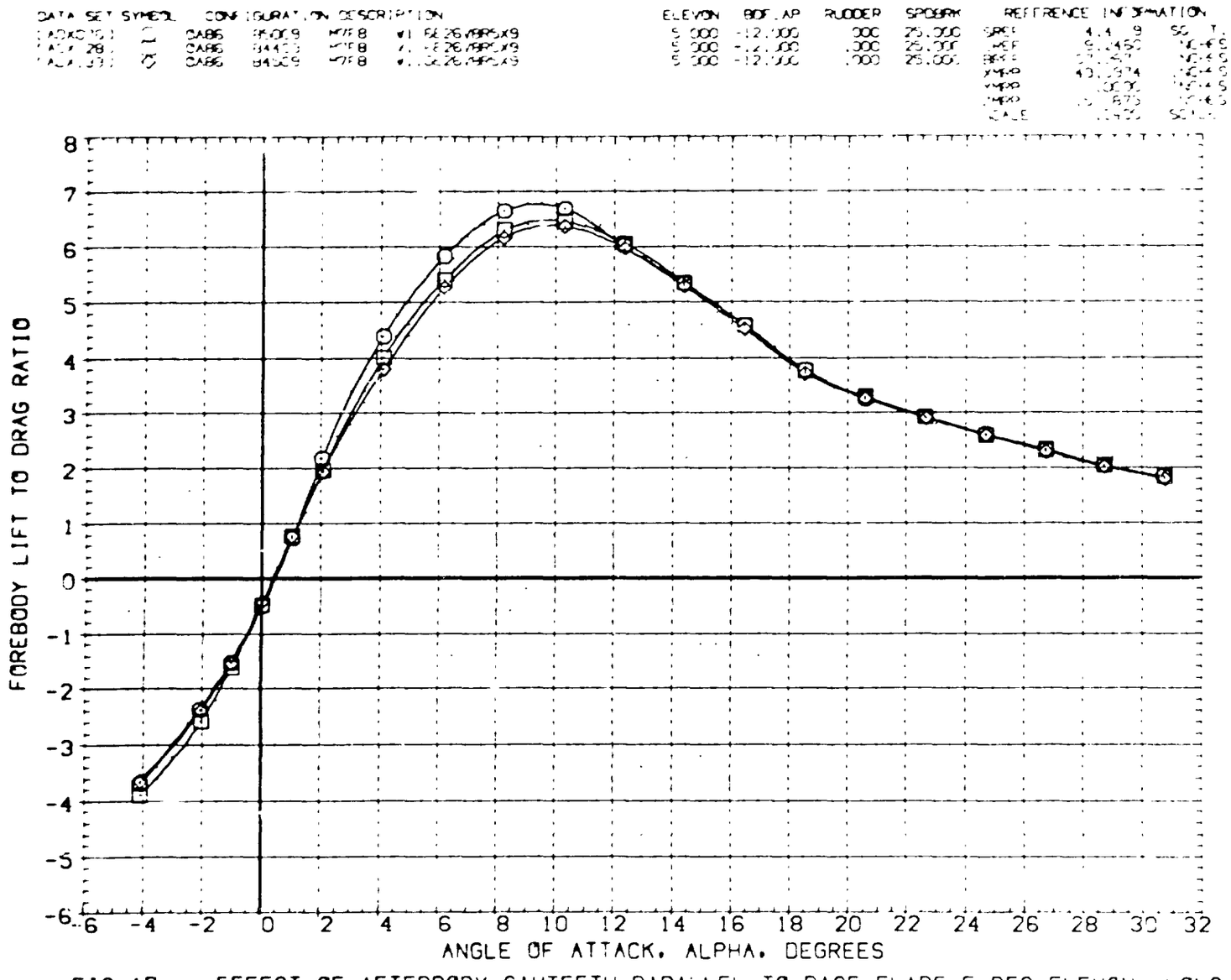



FIG 17 EFFECT OF AFTERBODY SAWTEETH PARALLEL TO BASE FLARE 5 DEG ELEVON, LONG

(A) MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPOBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (AD*001) | □ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| (AD*006) | ◇ | 0A86 | B28C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| (AD*035) | △ | 0A95 | B36C9 | M7F8 | W1I6V26V8R5X3 | .000 | -12.000 | .000 | 25.000 | BREF | 37.9671 | INCHES |
| (AD*036) | ○ | 0A86 | B35C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | XMRP | 43.5974 | INCHES |
| (AD*041) | ▽ | 0A86 | B34C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | YMRP | .0000 | INCHES |
| (AD*056) | ⊲ | 0A86 | B37C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0405 | SCALE |

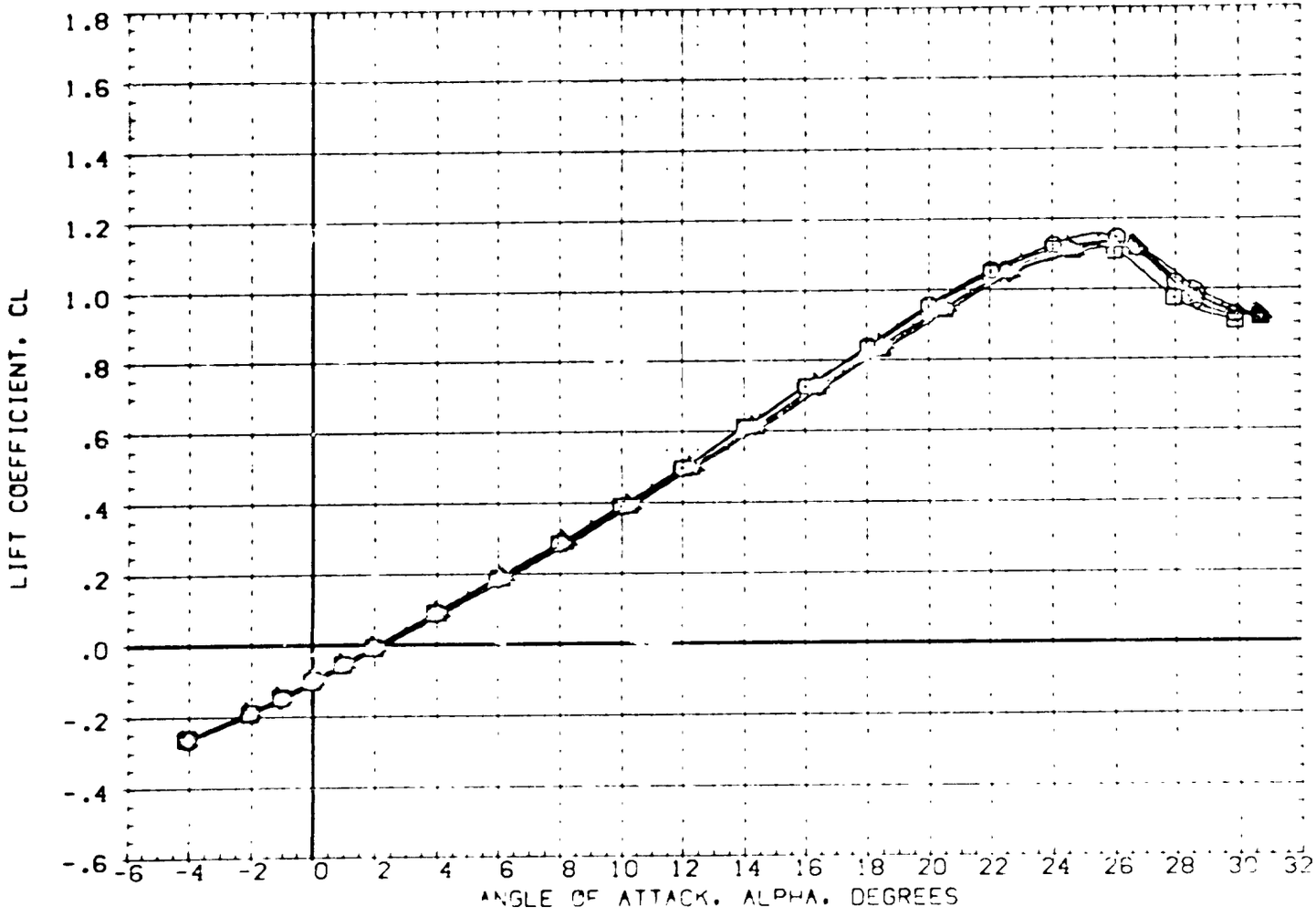



FIG 18 EFFECT OF AFT ...BY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MAC... = .20

PAG...

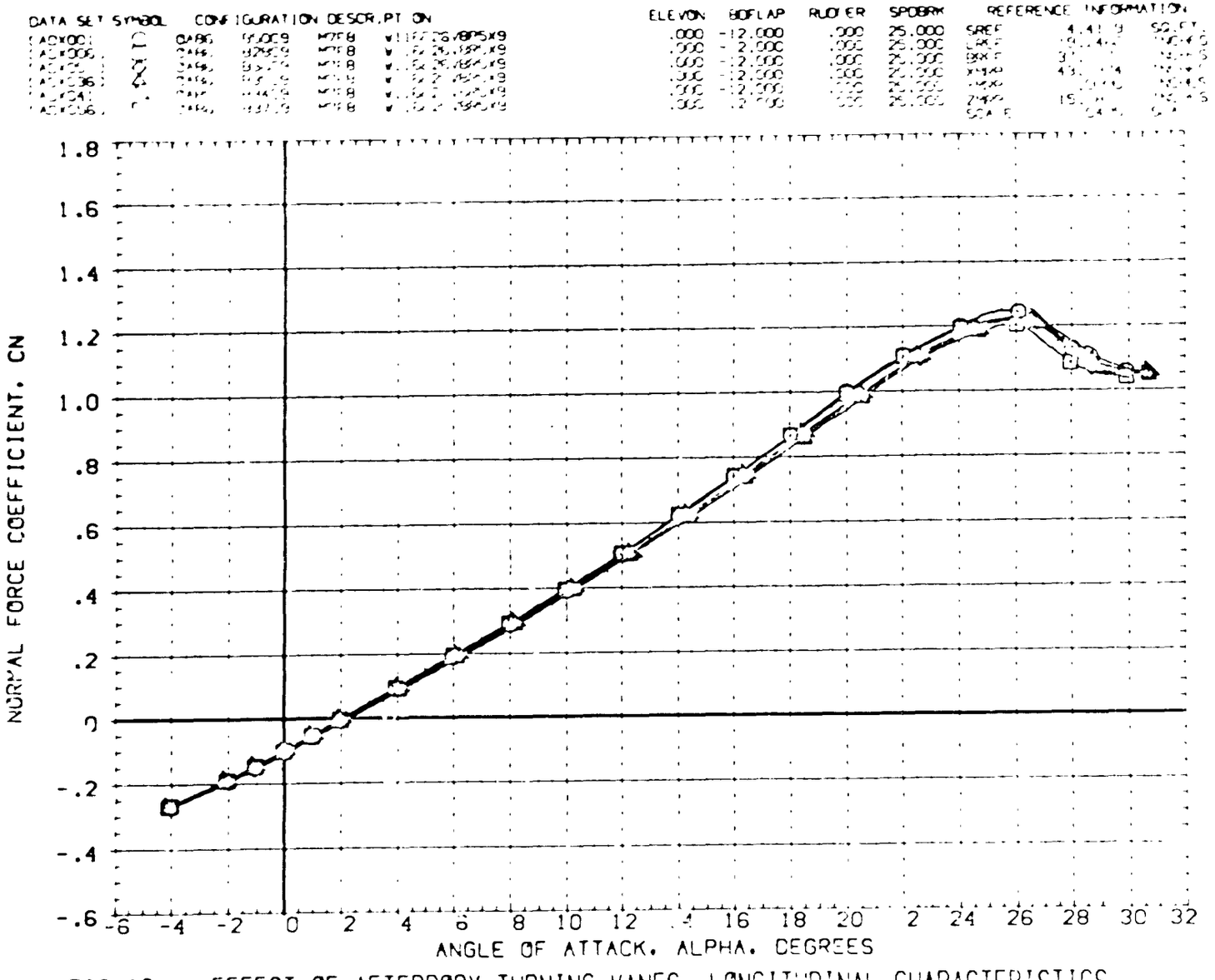



FIG 18 EFFECT OF AFTERBODY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MAC = .22

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| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPDBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | SREF | 4.419 | SQ.FT. |
| (ADX006) | □ | 0A86 | 828C9 | M7F8 | W116E26VP[illegible]X9 | .000 | -12.000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| (ADX051) | ◇ | 0A86 | 836C9 | M7F8 | W116E26V[illegible]X9 | .000 | -12.000 | .000 | 25.000 | BREF | 37.9671 | INCHES |
| (ADX036) | △ | 0A86 | 835C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | XMRP | 43.5974 | INCHES |
| (ADX041) | ◁ | 0A86 | 834C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | YMRP | .0000 | INCHES |
| (ADX056) | ▷ | 0A86 | 837C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0405 | SCALE |

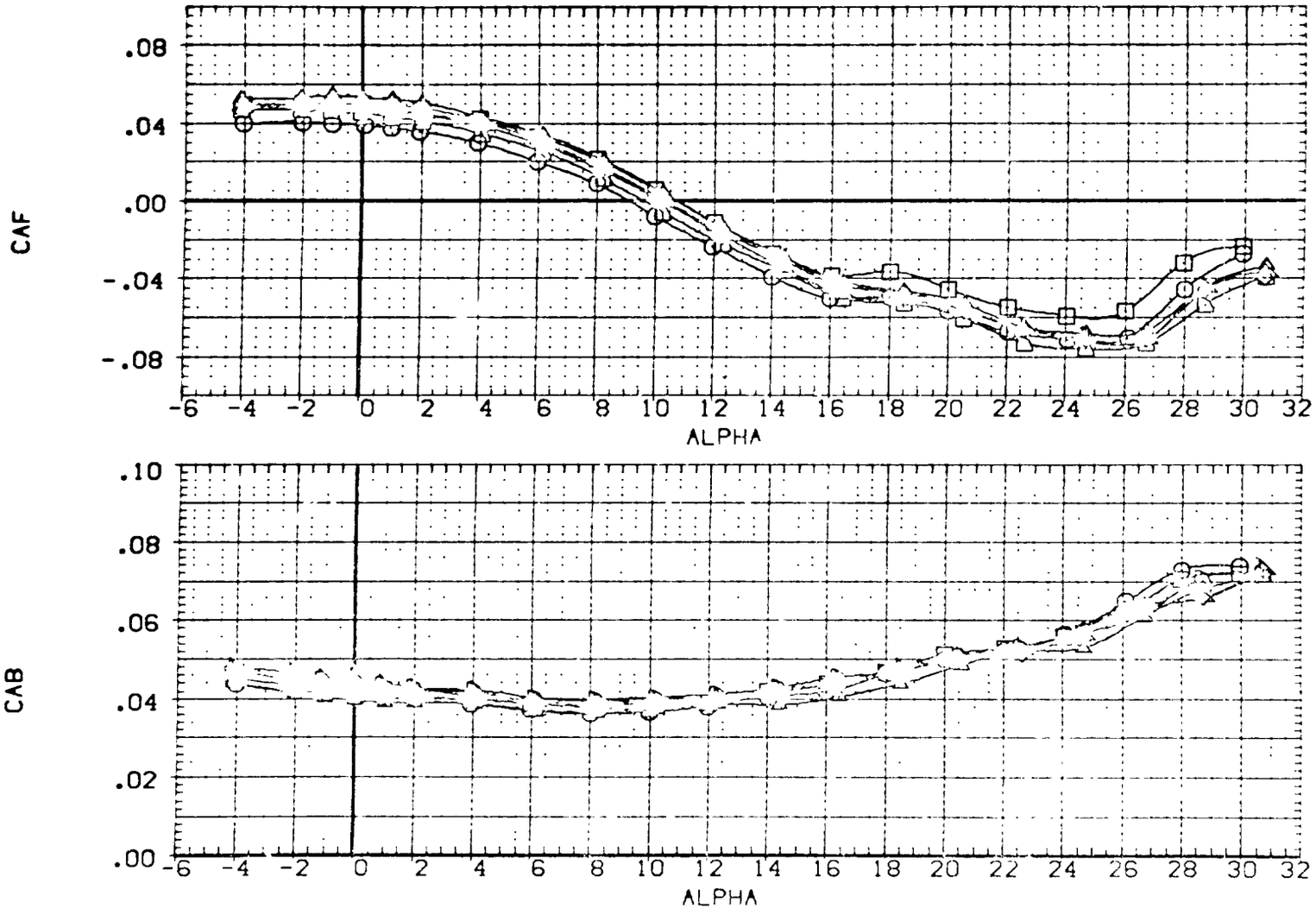



FIG 18 EFFECT OF AFTERBODY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

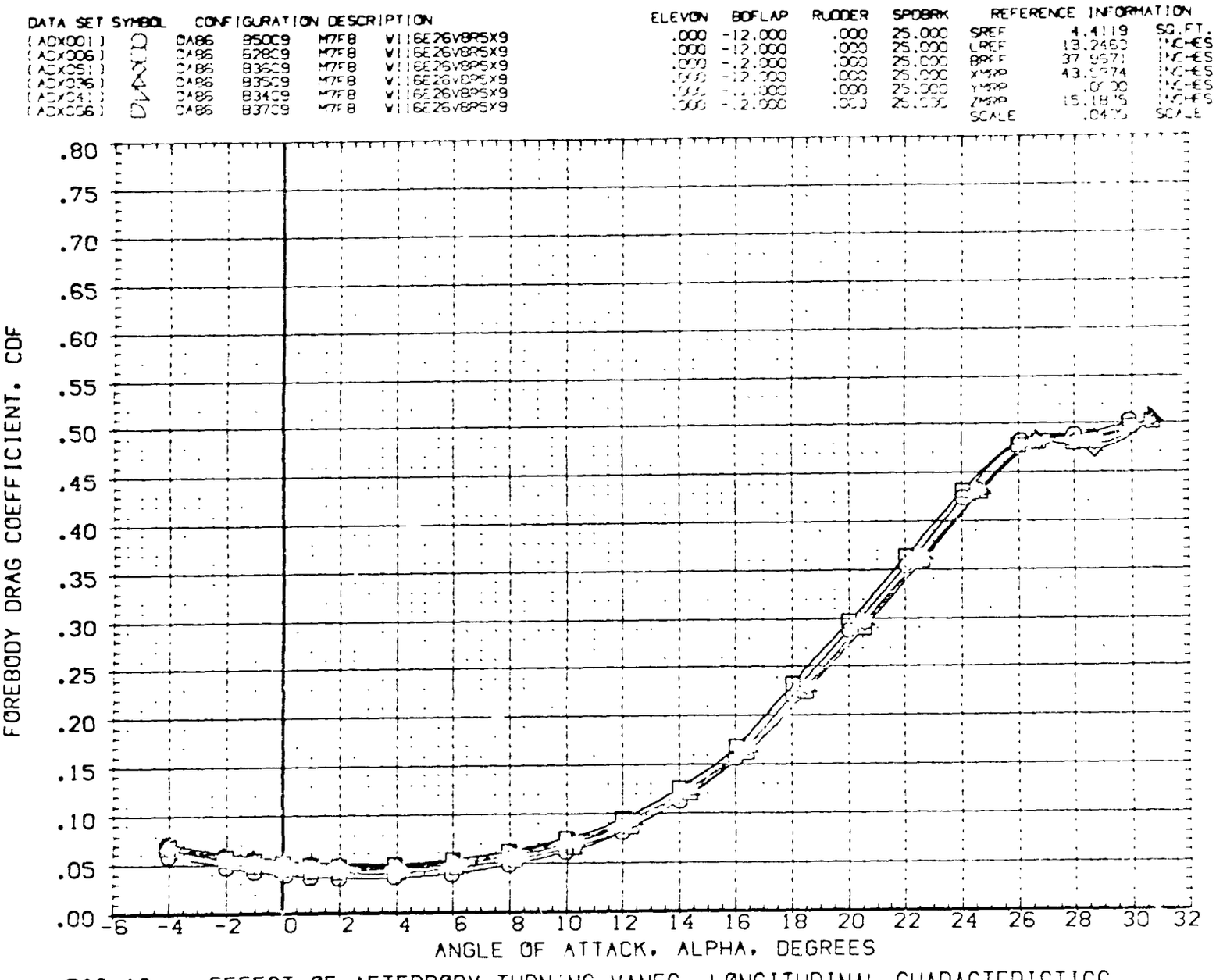



FIG 18 EFFECT OF AFTERBODY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX006) | | CA86 | B28C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX051) | | CA86 | B36C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX036) | | CA86 | B35C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX041) | | CA86 | B34C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX056) | | CA86 | B37C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.9974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

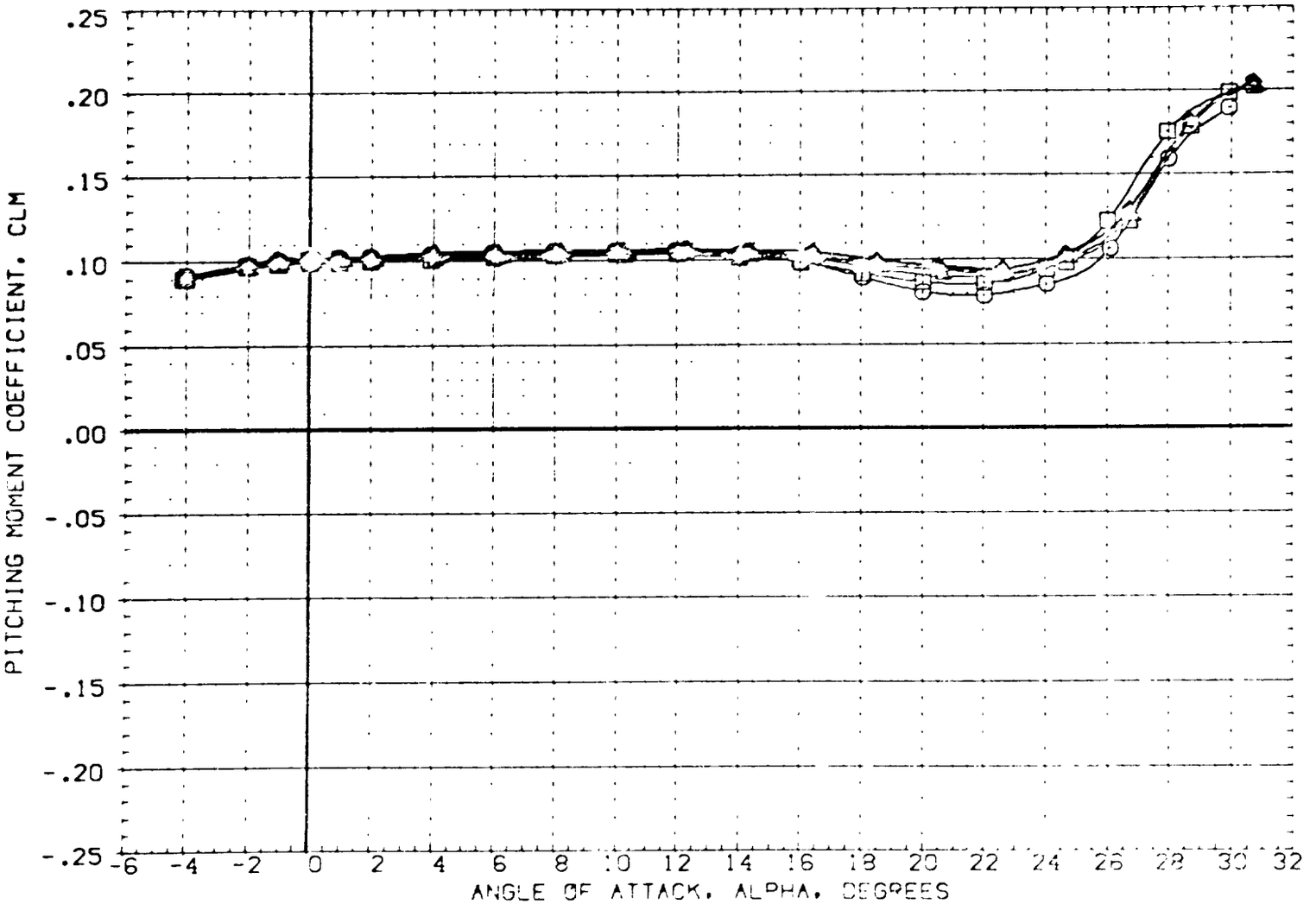



FIG 18 EFFECT OF AFTER[illegible] TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MAC = .20

PAGE

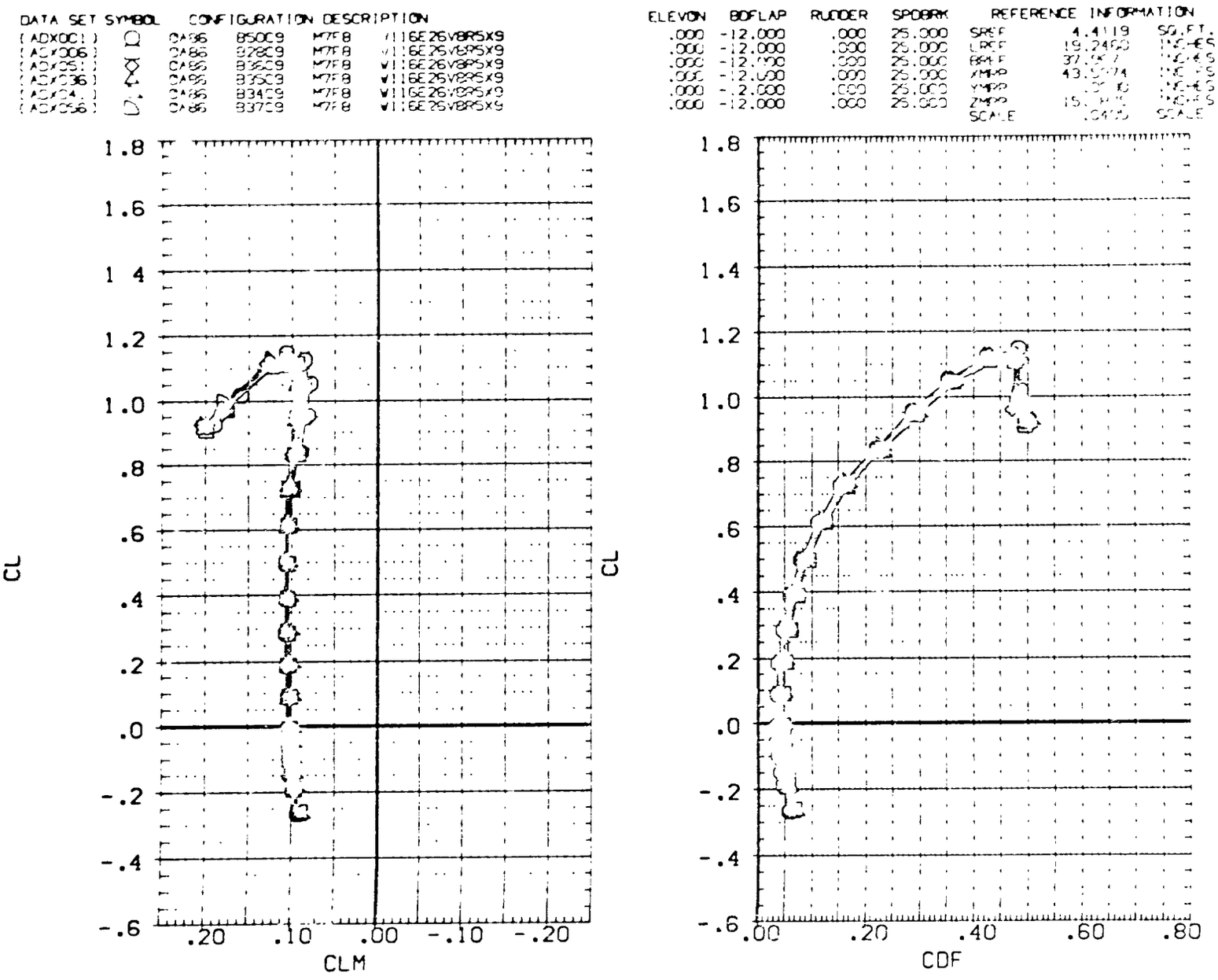



FIG 18 EFFECT OF AFTERBODY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

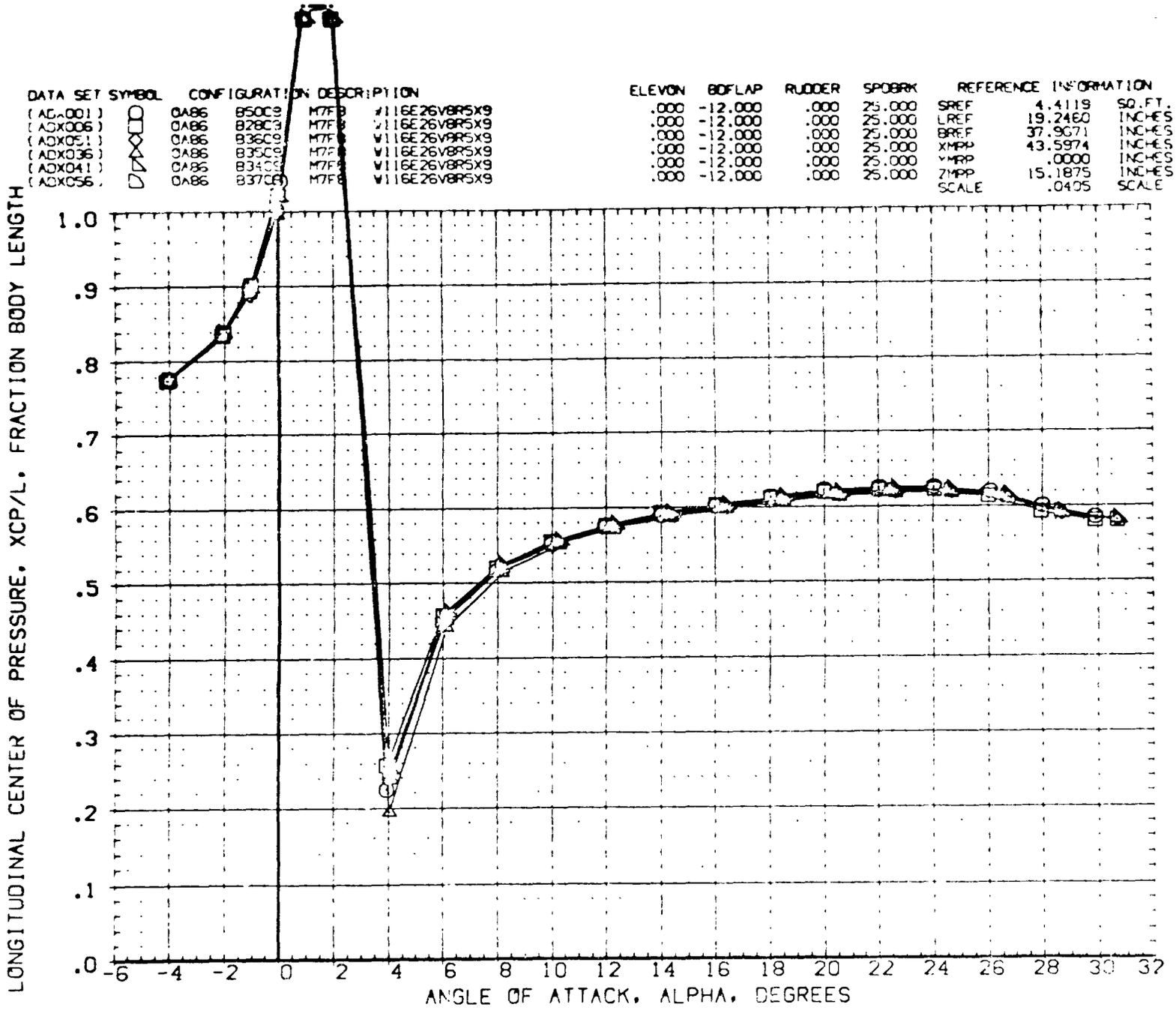



FIG 18 EFFECT OF AFTERBODY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

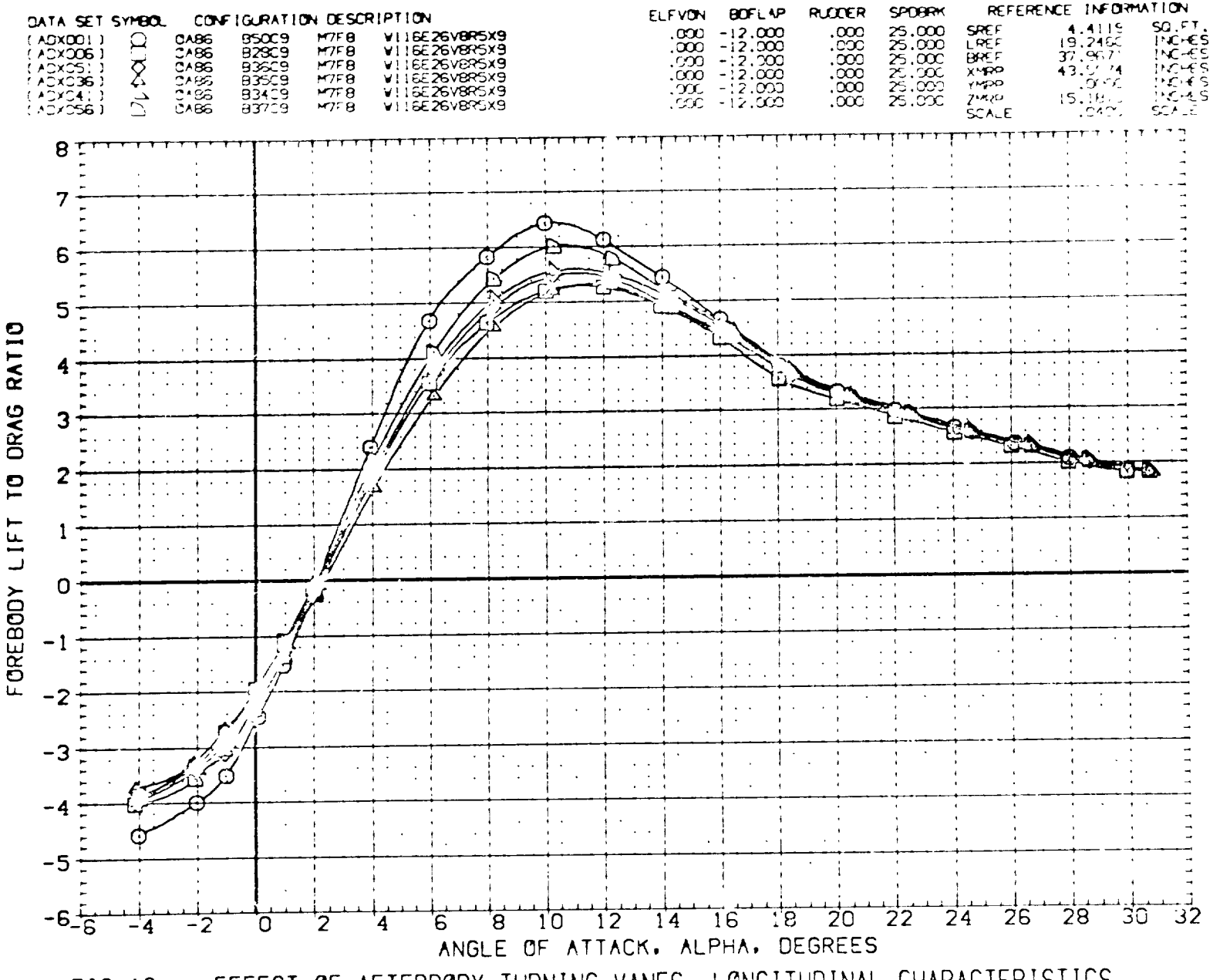



FIG 18 EFFECT OF AFTERBODY TURNING VANES, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX002) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX007) | ▷ | 0A86 | B28C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX052) | ◇ | 0A86 | B36C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX037) | ○ | 0A86 | B35C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX042) | △ | 0A86 | B34C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX057) | ▽ | 0A86 | B37C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

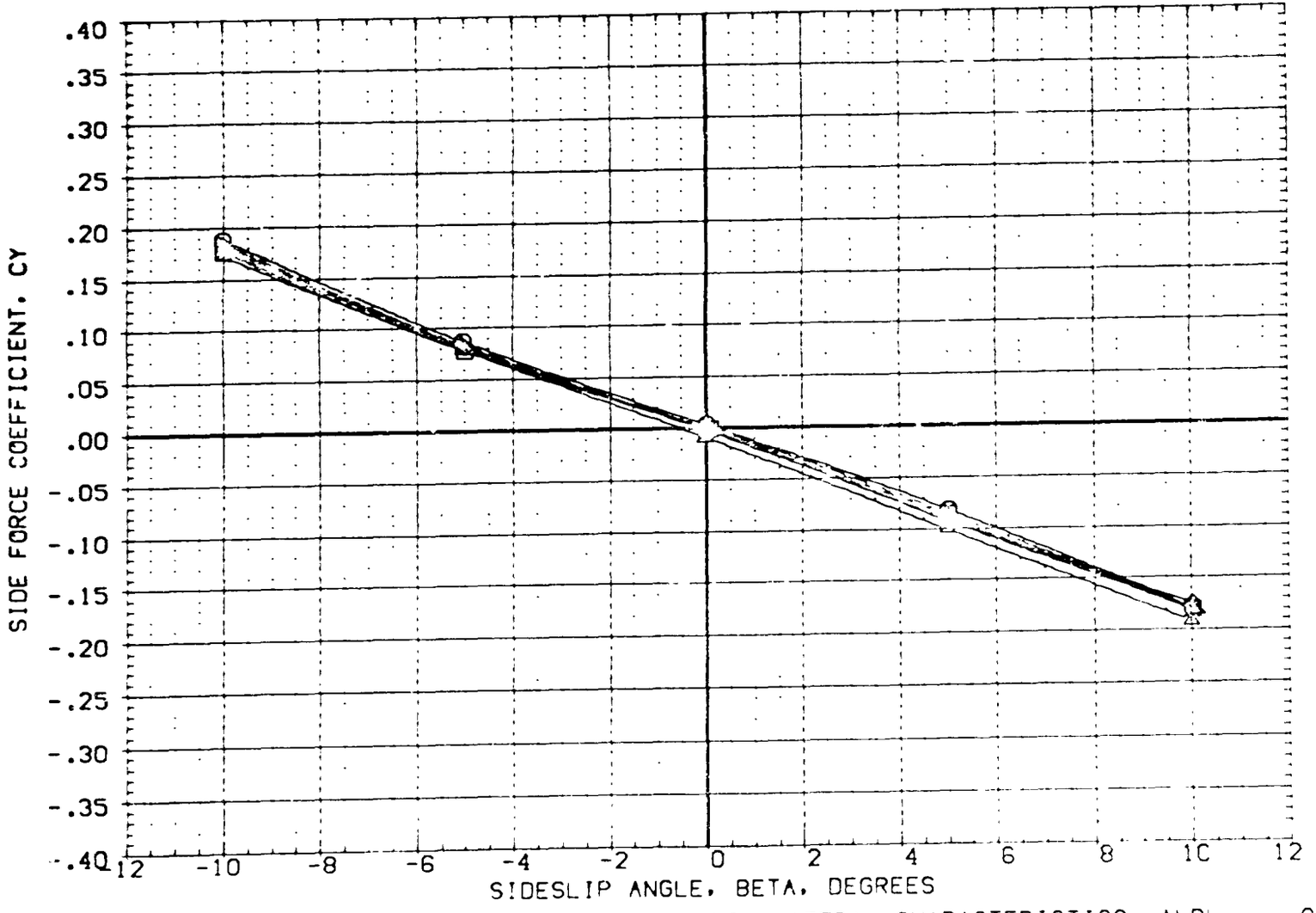



FIG 19 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

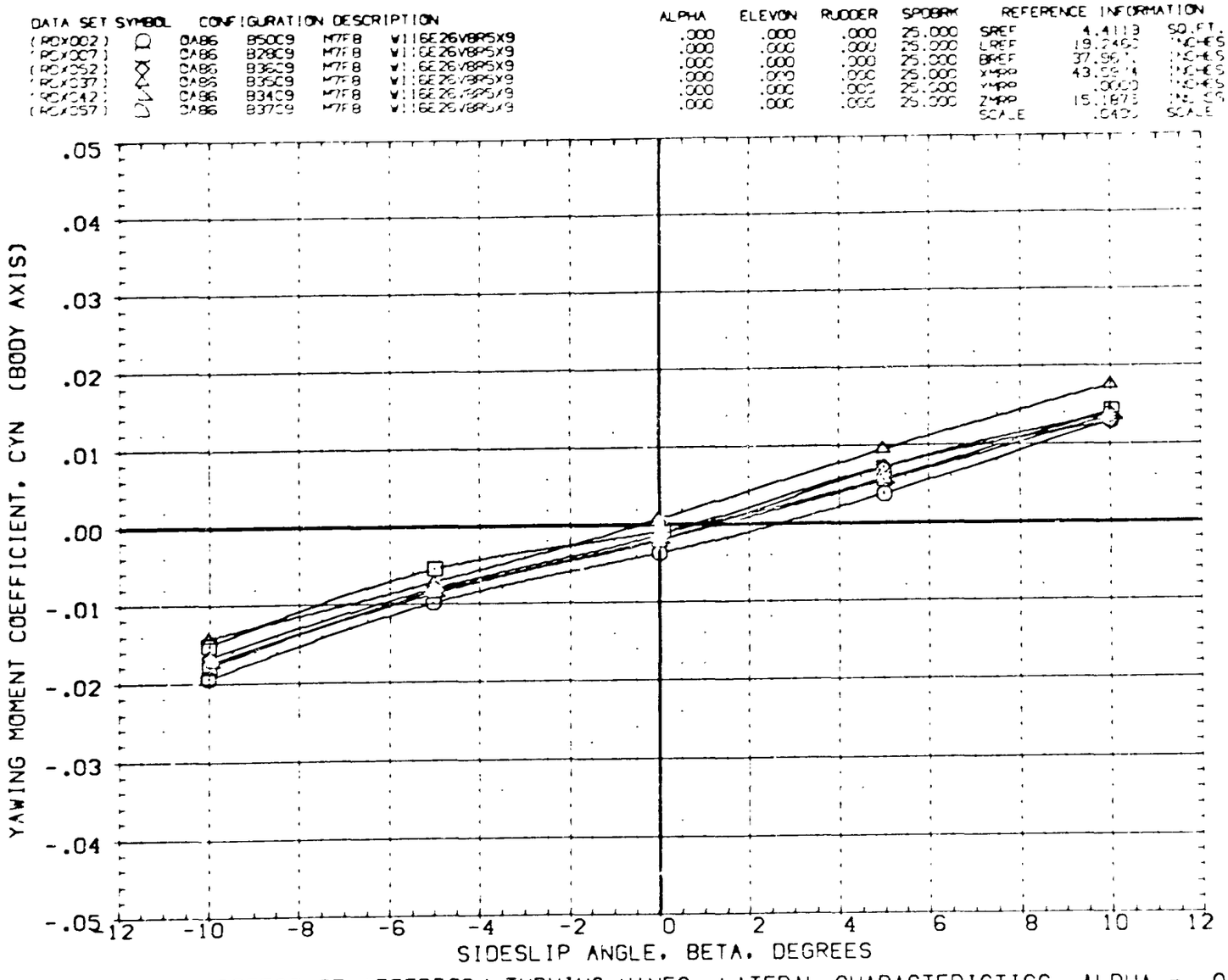



FIG 19 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

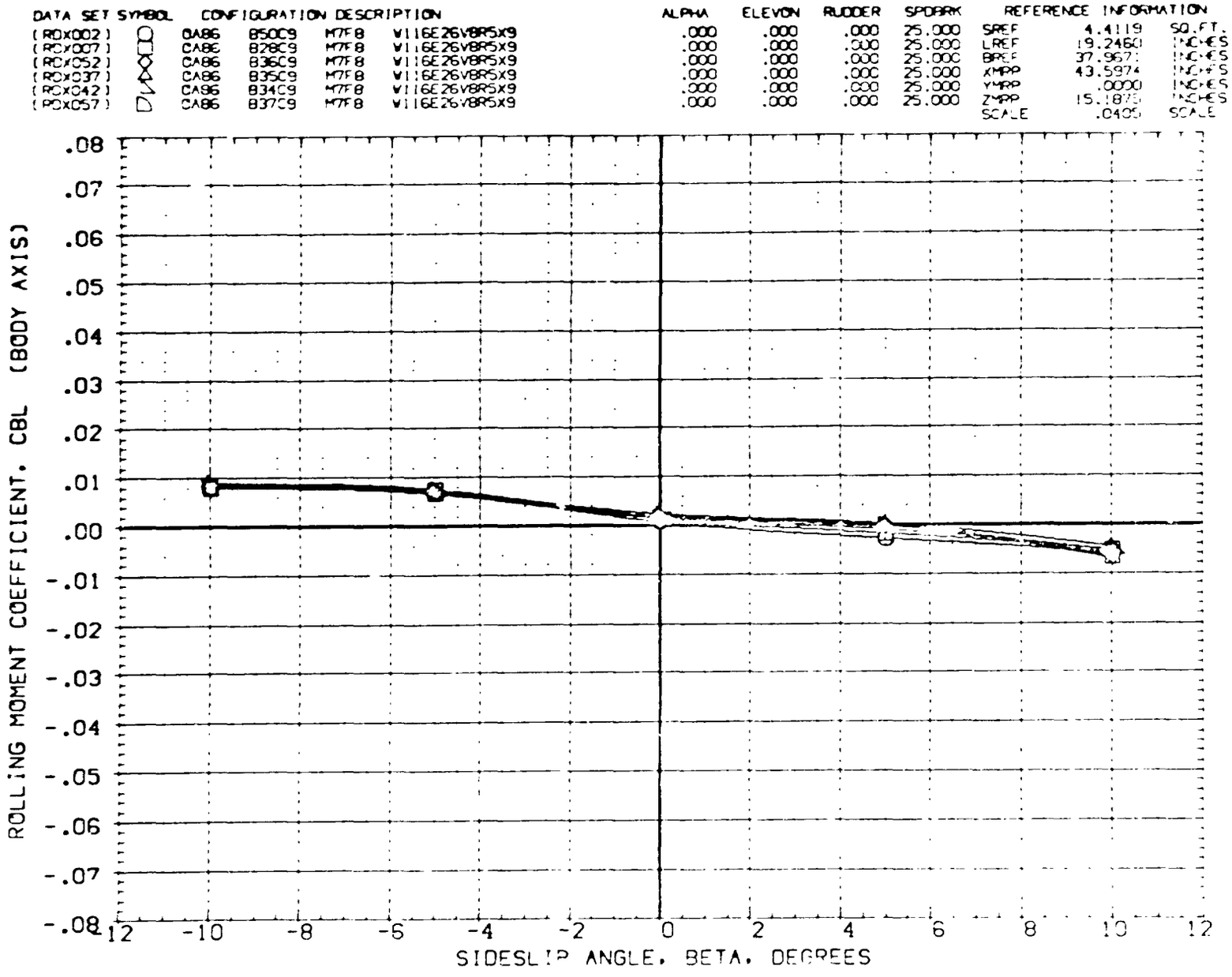



FIG 19 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX003) | □ | CA86 | B50C9 | M7F8 | W1166E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX008) | ◇ | CA86 | B28C9 | M7F8 | W1166E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX053) | △ | CA86 | B36C9 | M7F8 | W1166E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX038) | ▽ | CA86 | B35C9 | M7F8 | W1166E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX243) | ▷ | CA86 | B34C9 | M7F8 | W1166E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX058) | ◁ | CA86 | B37C9 | M7F8 | W1166E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1570 | INCHES |
| SCALE | .0405 | SCALE |

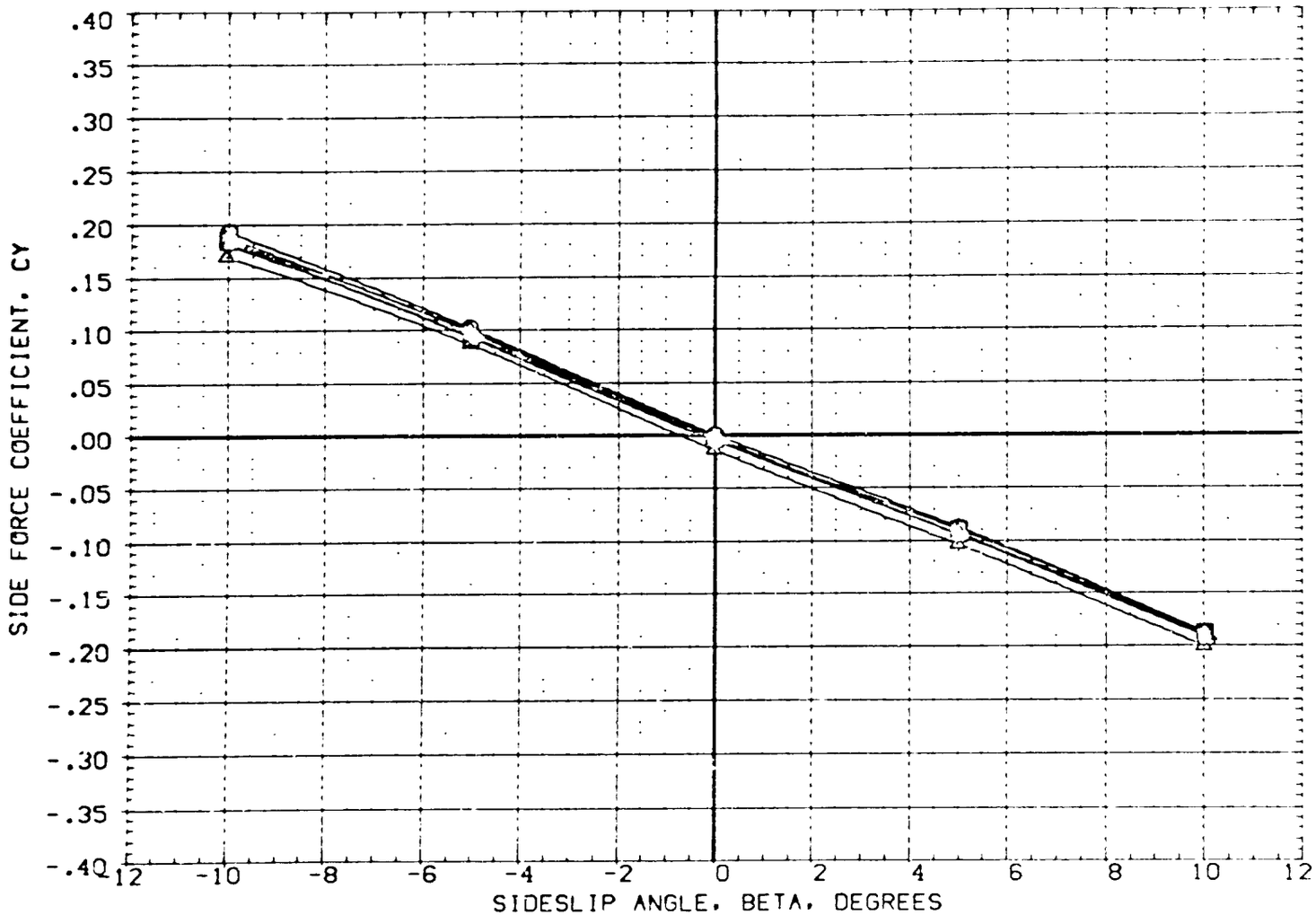



FIG 20 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

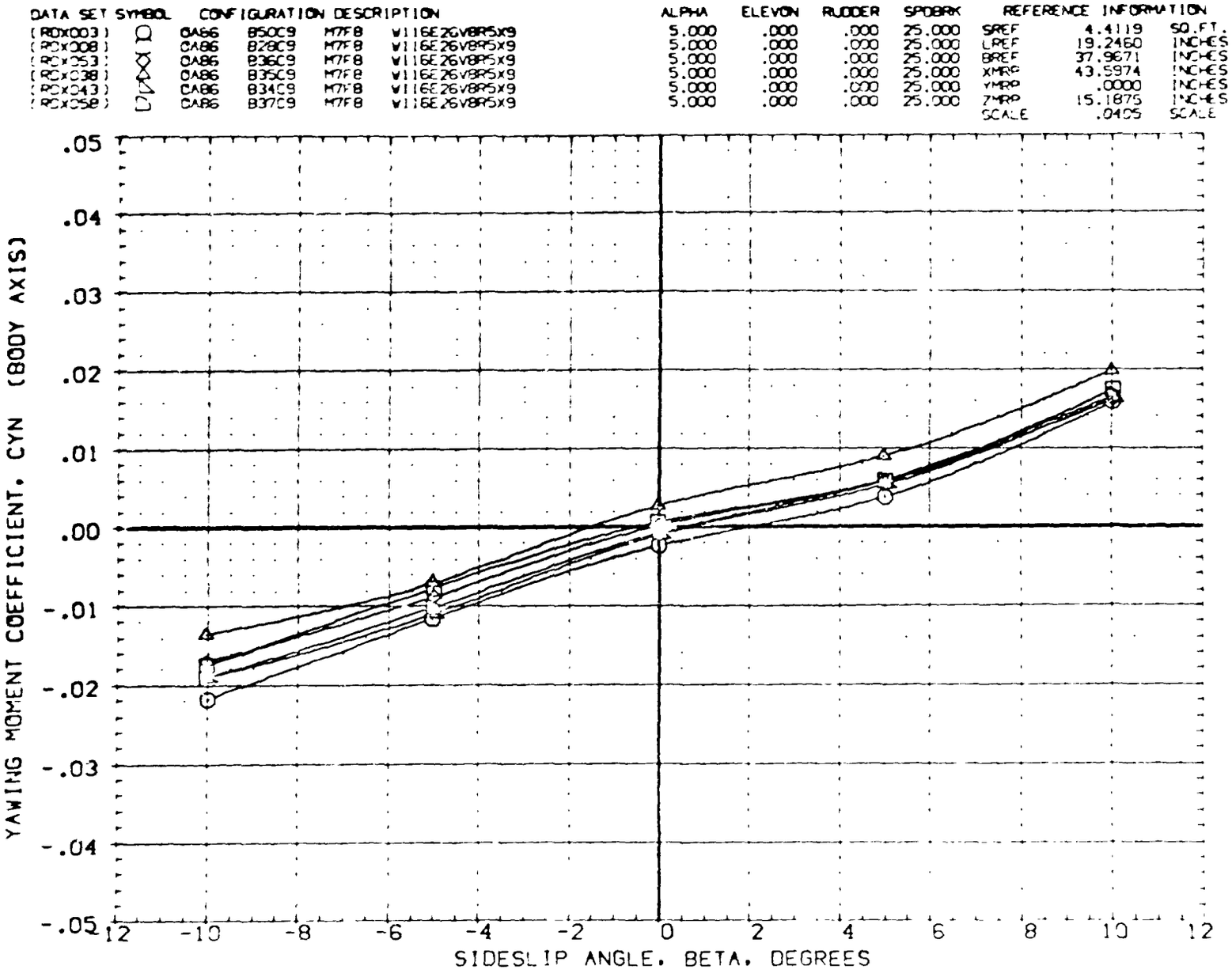



FIG 20 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

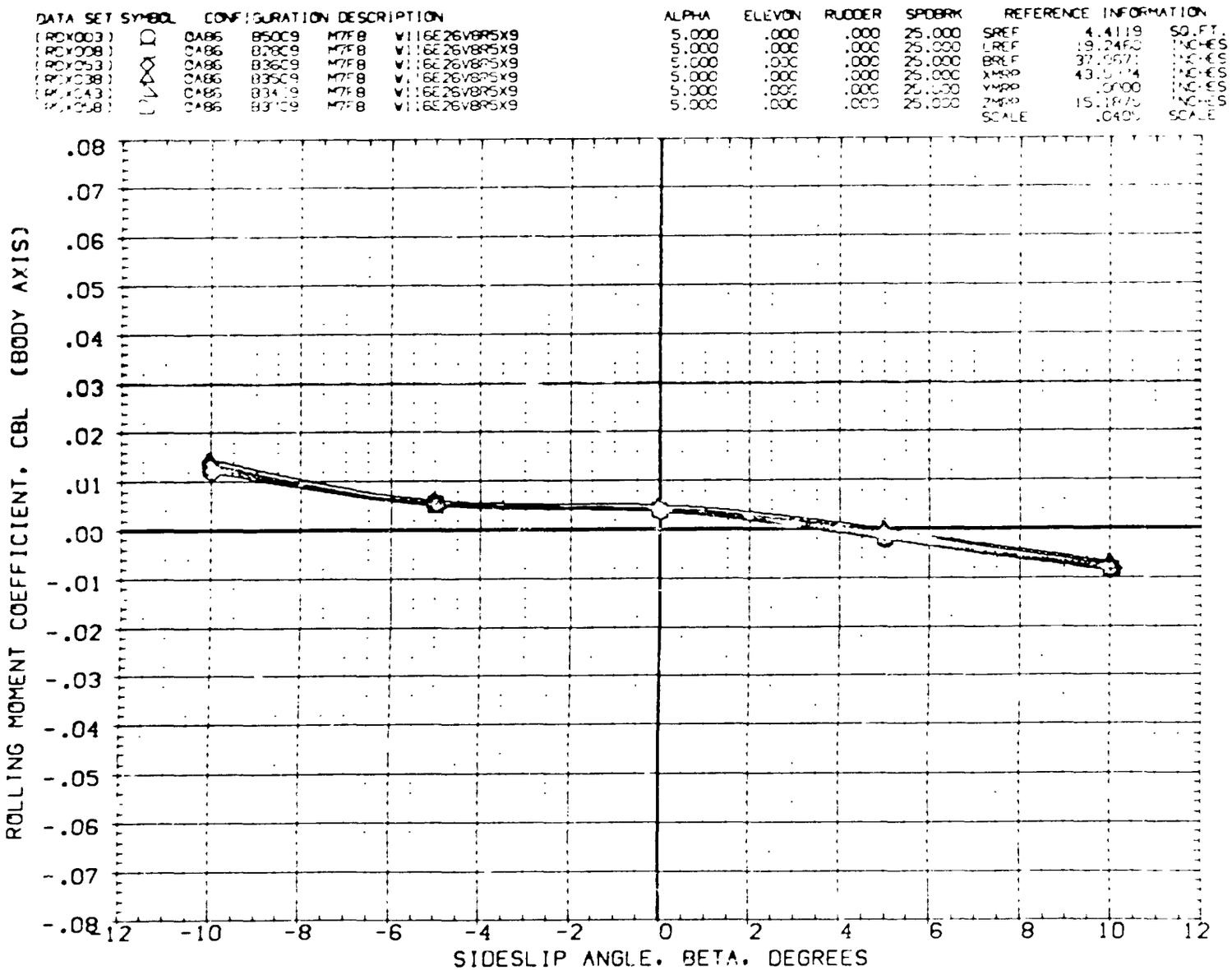



FIG 20 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

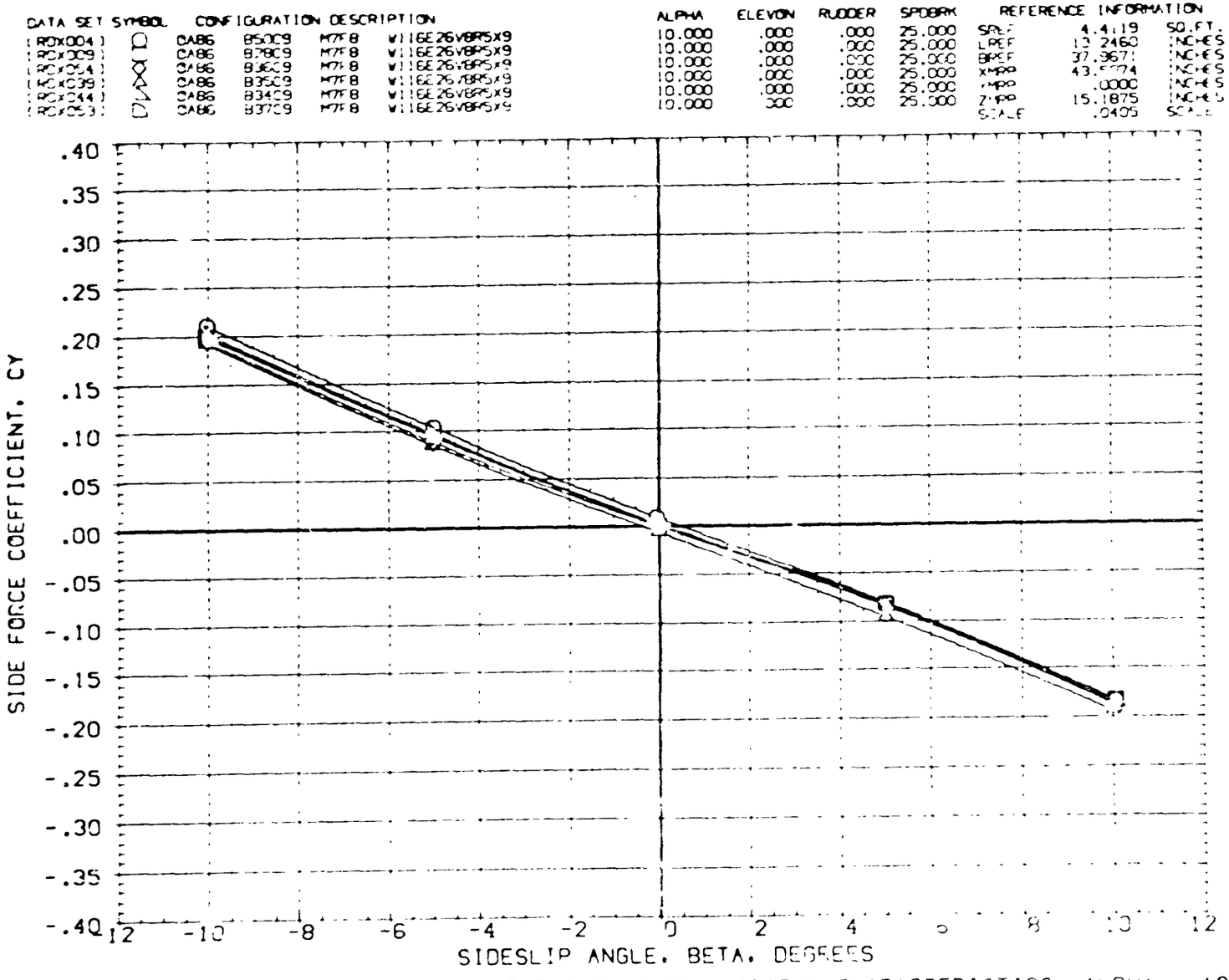



FIG 21 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 10

(A MACH = .20

PAGE

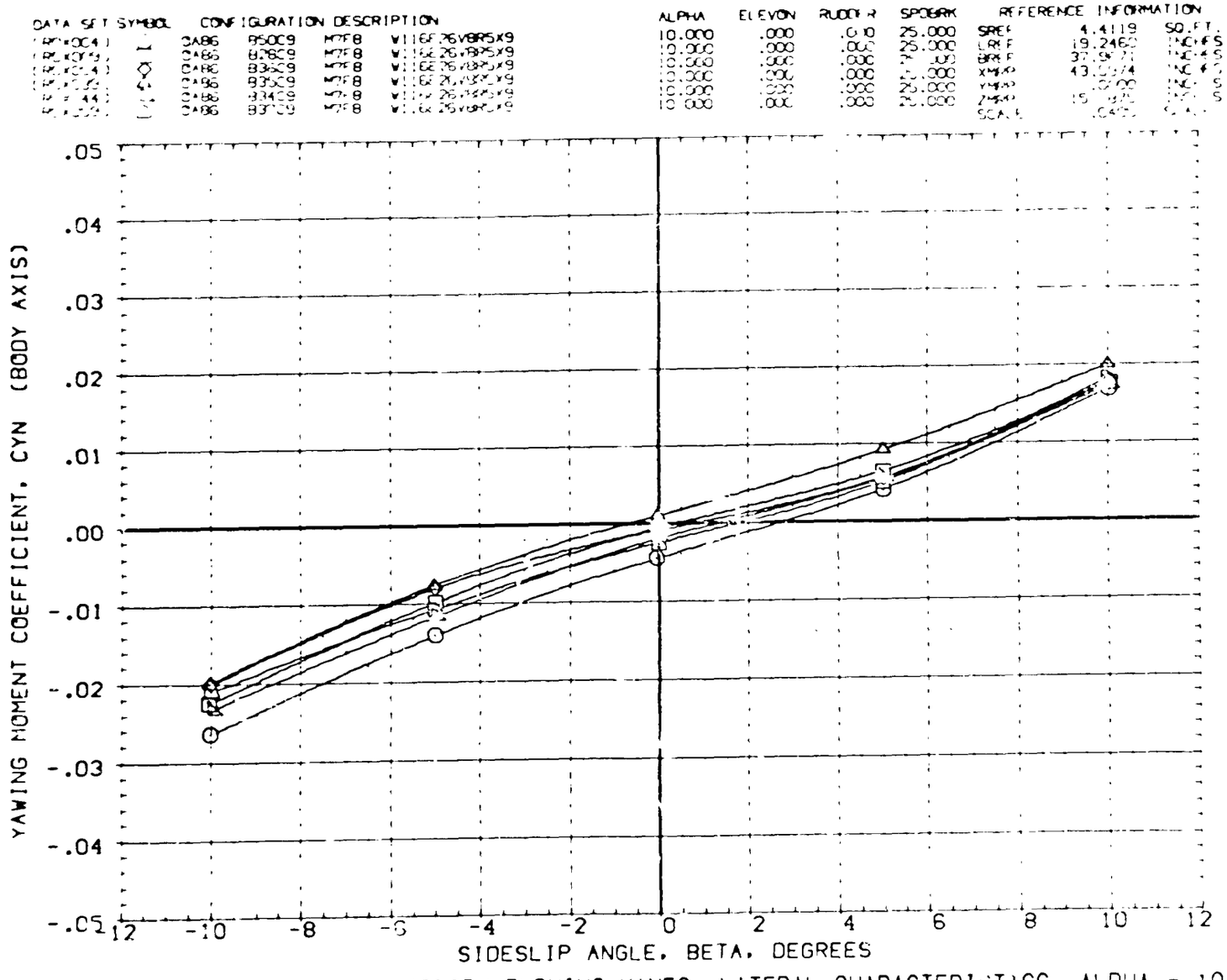



FIG 21 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

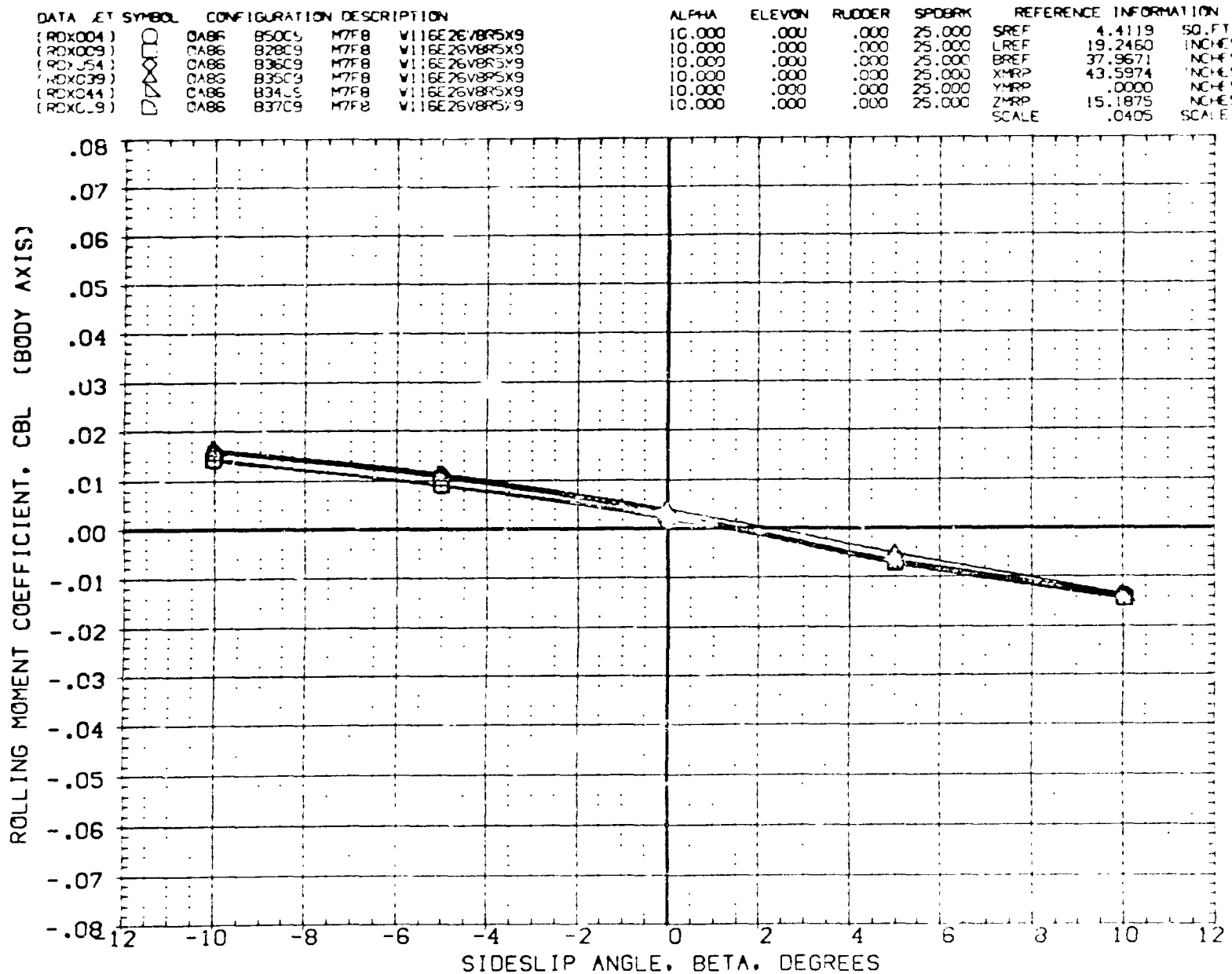



FIG 21 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPH = 10

(A) ACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (RDX005) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| (RDX010) | ◇ | CA86 | B28C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| (RDX055) | △ | CA86 | B36C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | BREF | 37.9677 | INCHES |
| (RDX040) | ▽ | CA86 | B35C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | XMRP | 43.5974 | INCHES |
| (RDX045) | ▷ | CA86 | B34C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | YMRP | .0000 | INCHES |
| (RDX060) | ◁ | CA86 | B37C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0405 | SCALE |

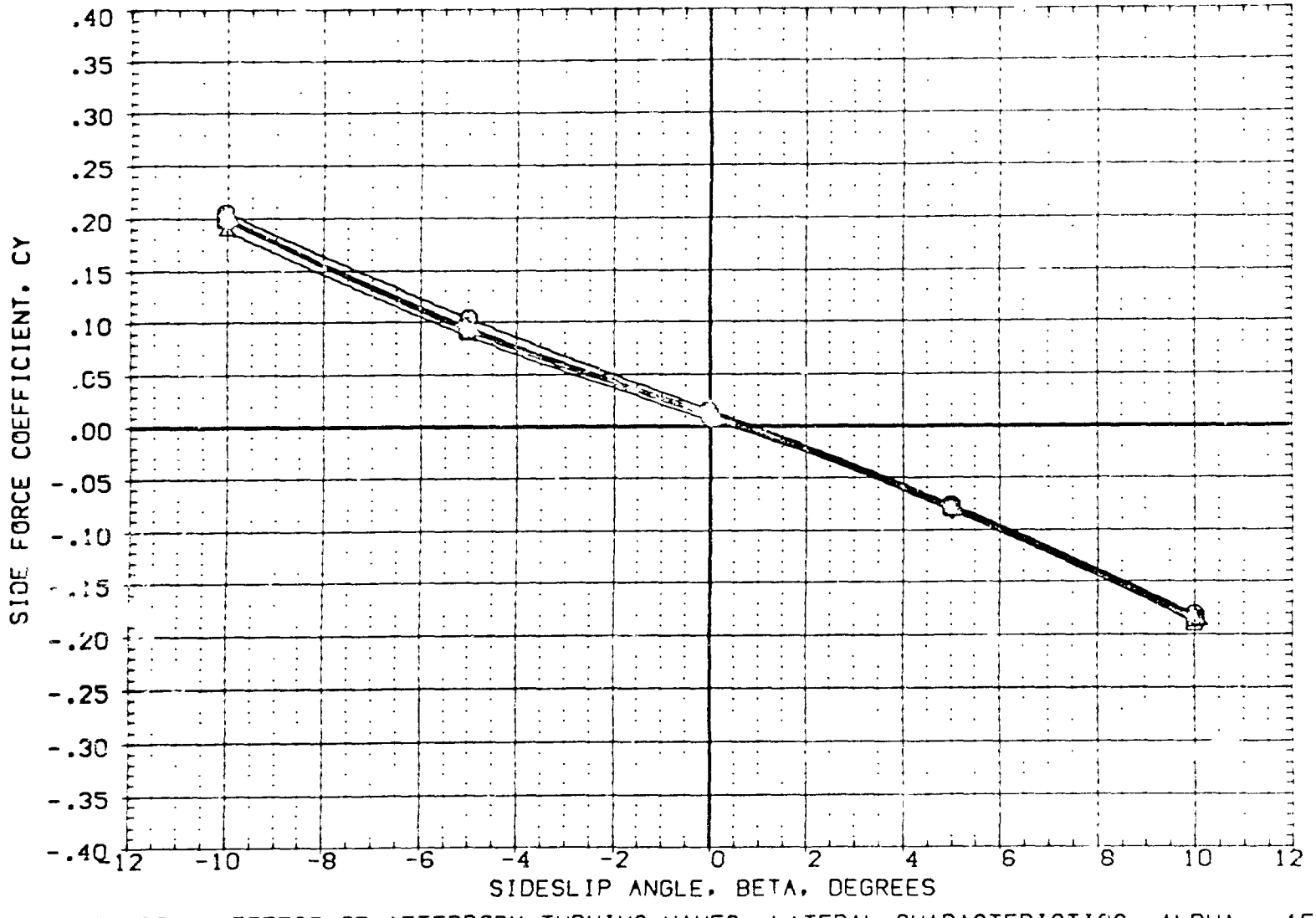



FIG 22 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (R0X005) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| (R0X010) | △ | 0A86 | B28C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| (R0X055) | ◇ | 0A86 | B36C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | BREF | 37.9671 | INCHES |
| (R0X040) | ○ | 0A86 | B35C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | XMRP | 43.5974 | INCHES |
| (R0X045) | ▽ | 0A86 | [illegible]C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | YMRP | .0000 | INCHES |
| (R0X060) | ⊡ | 0A86 | B57C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0405 | SCALE |

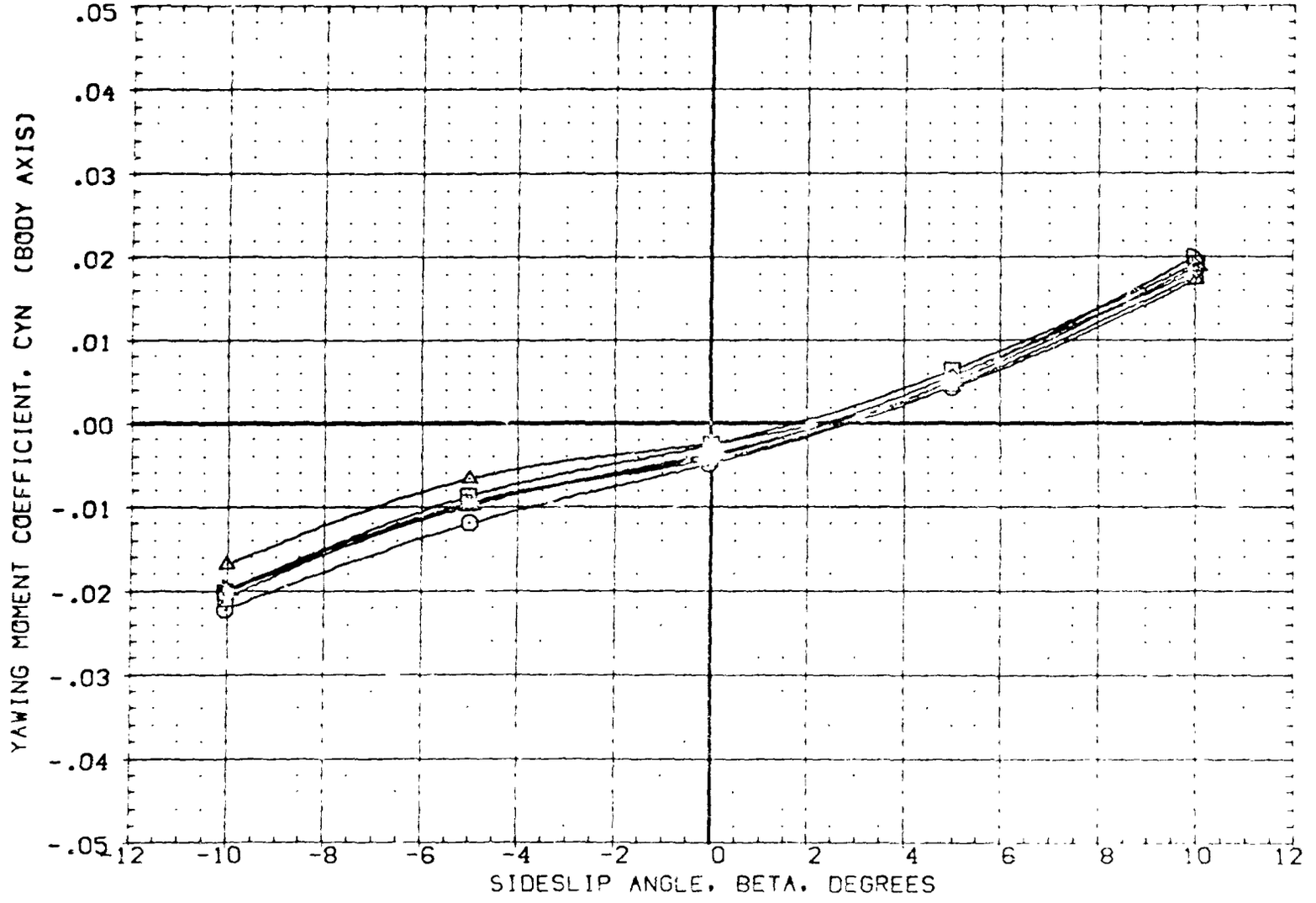



FIG 22 EFFECT OF AFTE[illegible]BODY TURNING VANES, LATERAL CHARACTERISTICS, ALPH[illegible] = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX005) | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX010) | | 0A86 | B28C9 | M7F8 | W116E26V8R5X9 |
| (RDX055) | | 0A86 | B36C9 | M7F8 | W116E26V8R5X9 |
| (RDX040) | | 0A86 | B35C9 | M7F8 | W116E26V8R5X9 |
| (RDX045) | | 0A86 | B34C9 | M7F8 | W116E26V8R5X9 |
| (RDX060) | | 0A86 | B37C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .00 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1815 | INCHES |
| SCALE | .0405 | SCALE |

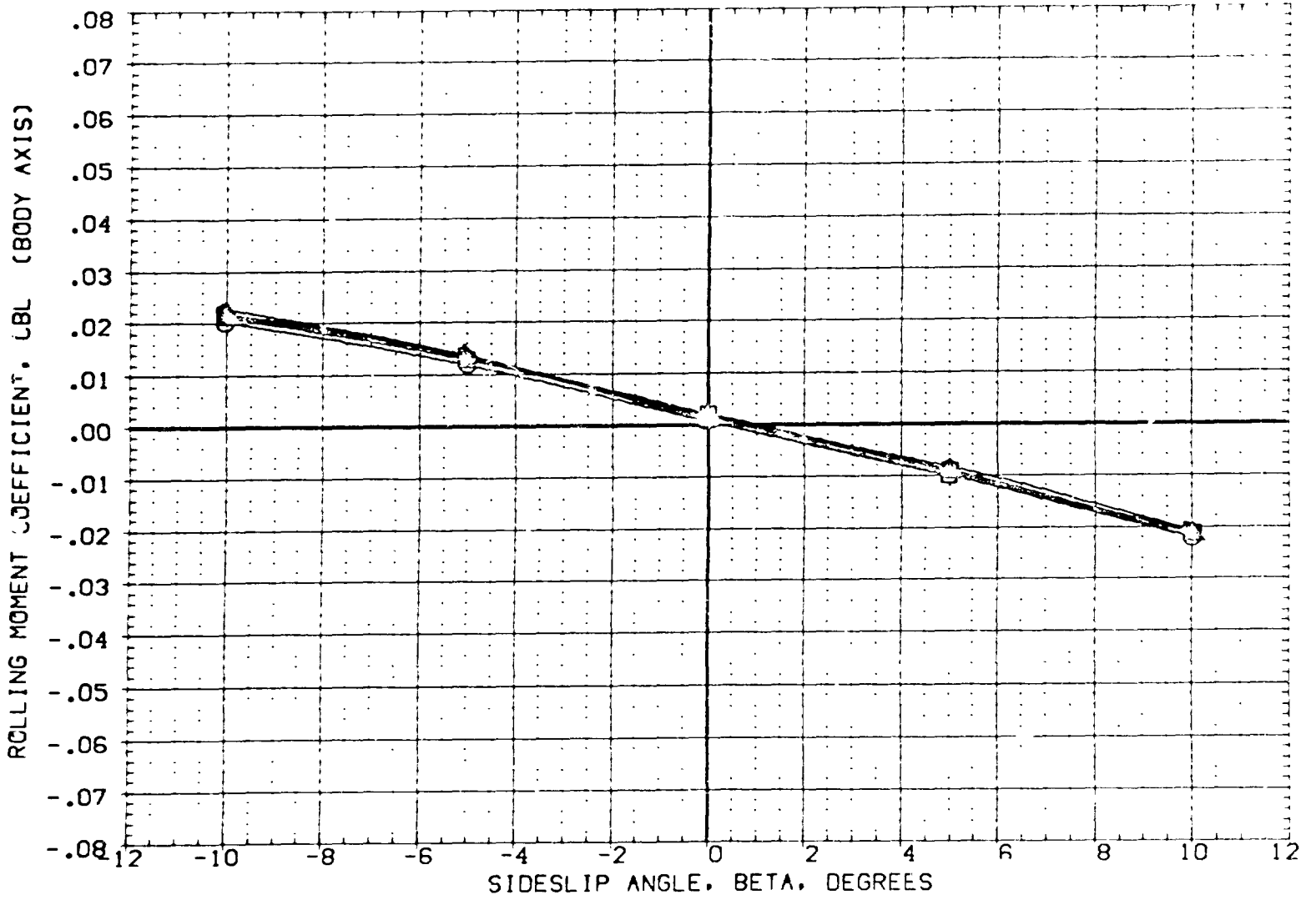



FIG 22 EFFECT OF AFTERBODY TURNING VANES, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | 0A86 | B50C9 | M7F8 | W.16E26V8R5X9 |
| (ADX083) | ◇ | 0A86 | B34C9 | M7F8 | W.16E26V8R5X9 |
| (ADX084) | △ | 0A86 | B37C9 | M7F8 | W.16E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

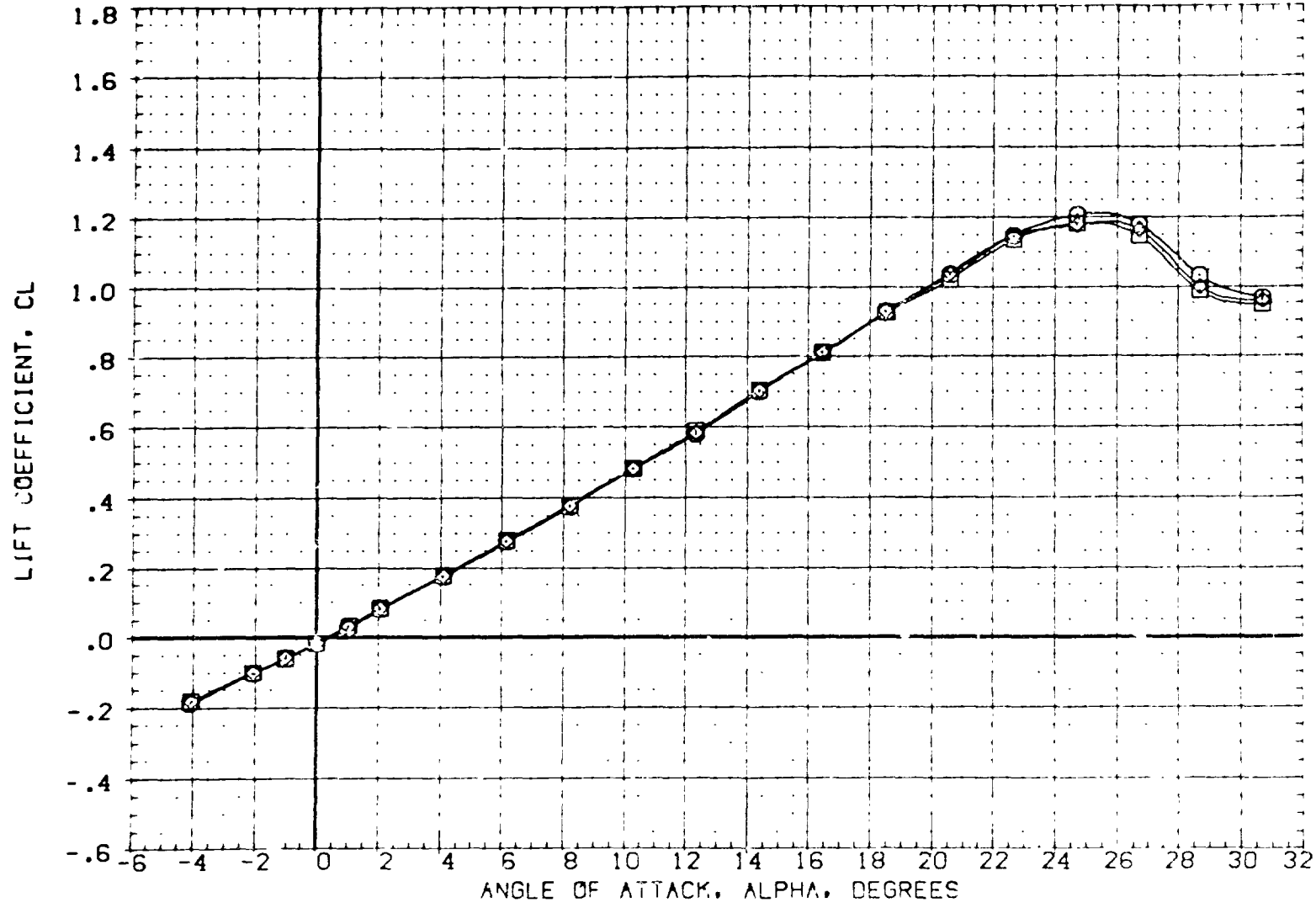



FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (ADX083) | ◇ | 0A86 | 834C9 | M7F8 | W116E26V8F5X9 |
| (ADX084) | | 0A86 | 837C9 | M7F8 | W116E26V8A5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.[illegible]4 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.18[illegible] | INCHES |
| SCALE | .0400 | SCALE |

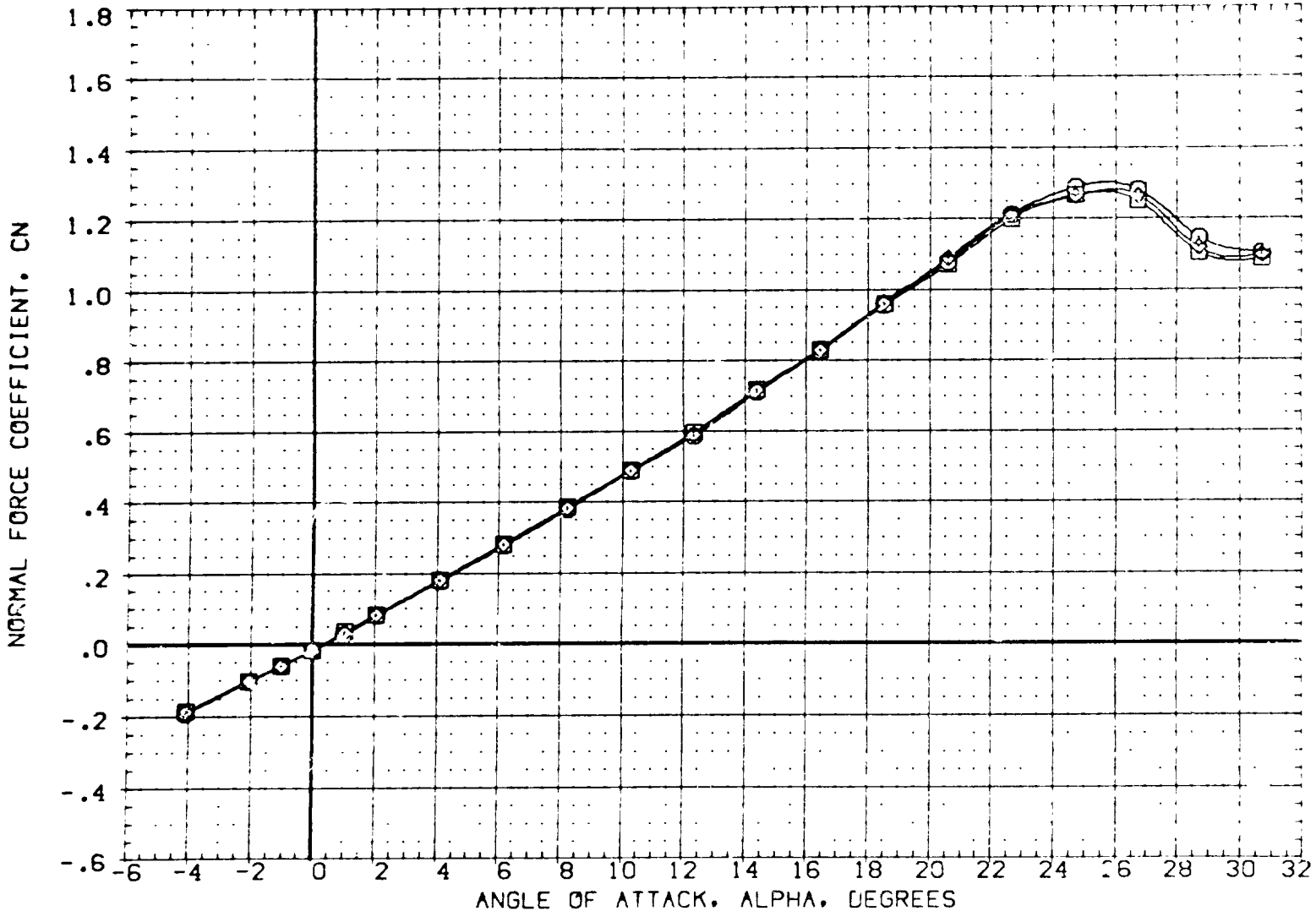



FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| ( ADX076 ) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| ( ADX083 ) | □ | 0A86 | B34C9 | M7F8 | W116E26V8R5X9 |
| ( ADX084 ) | ◇ | 0A86 | B37C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

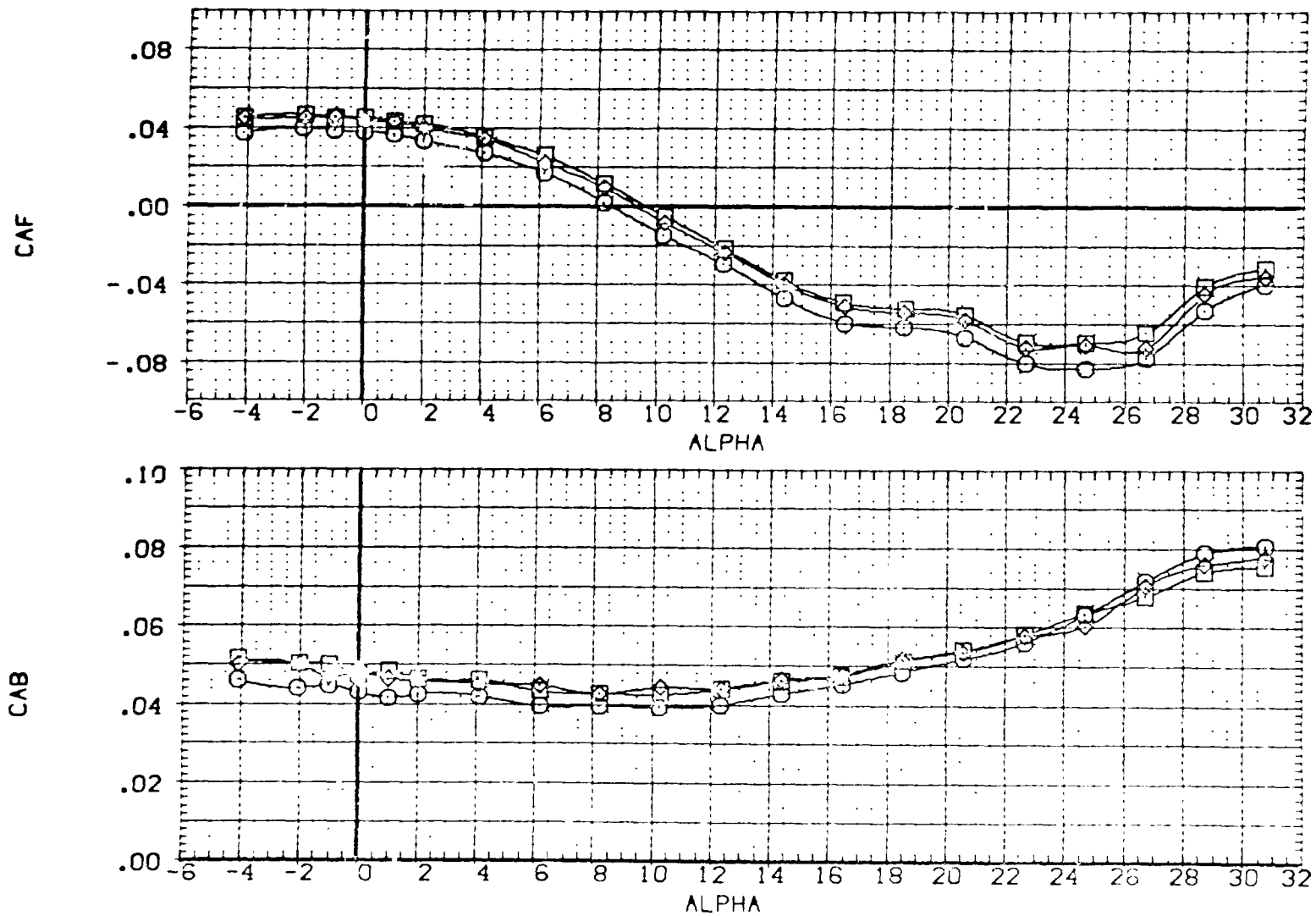



FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX083) | □ | CA86 | B34C9 | M7F8 | W116E26V8R5X9 |
| (ADX084) | ◇ | CA86 | B37C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.0974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

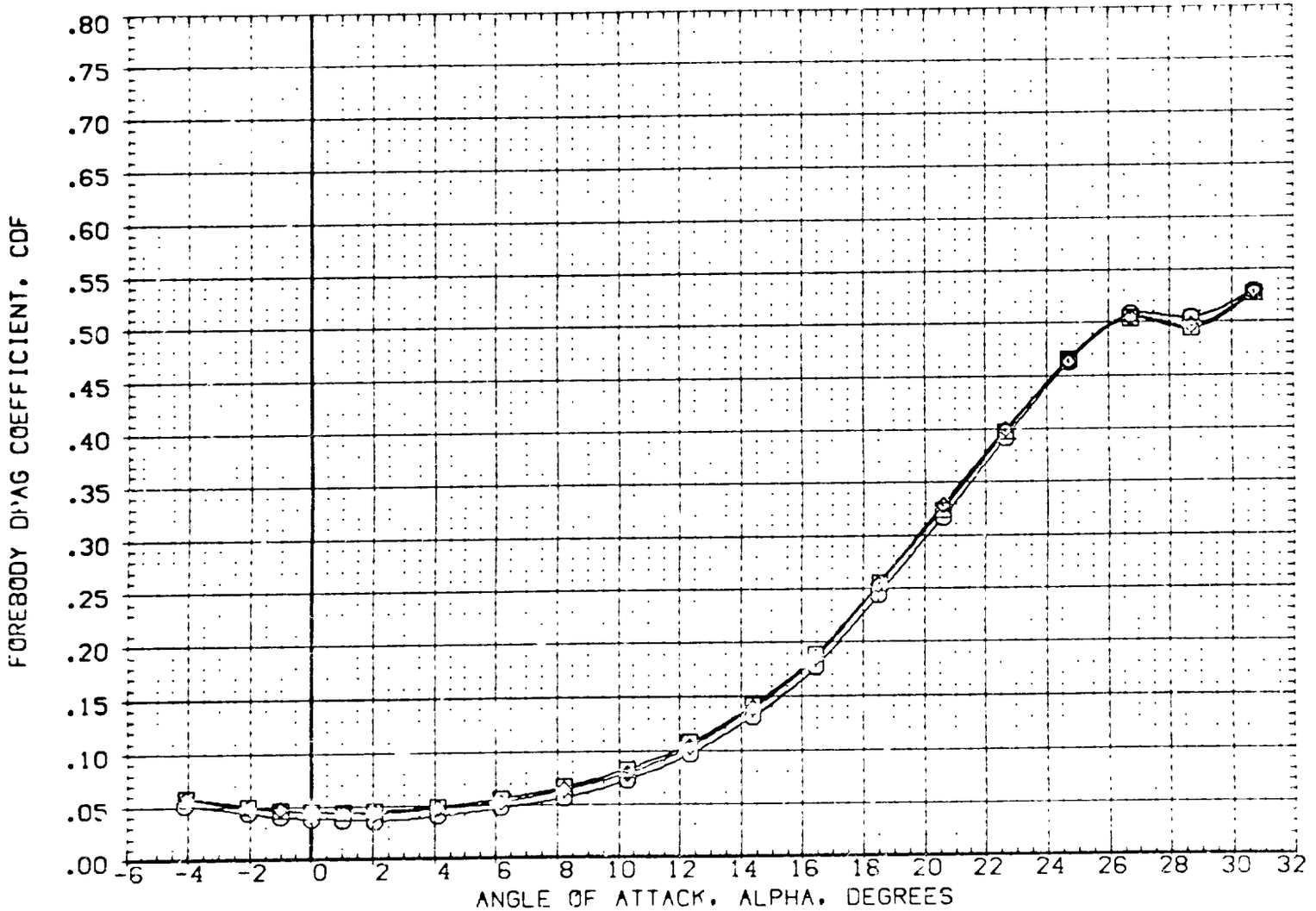



FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | CABS | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX083) | □ | CABS | B34C9 | M7F8 | W116E26V8R5X9 |
| (ADX084) | ◇ | CABS | B37C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

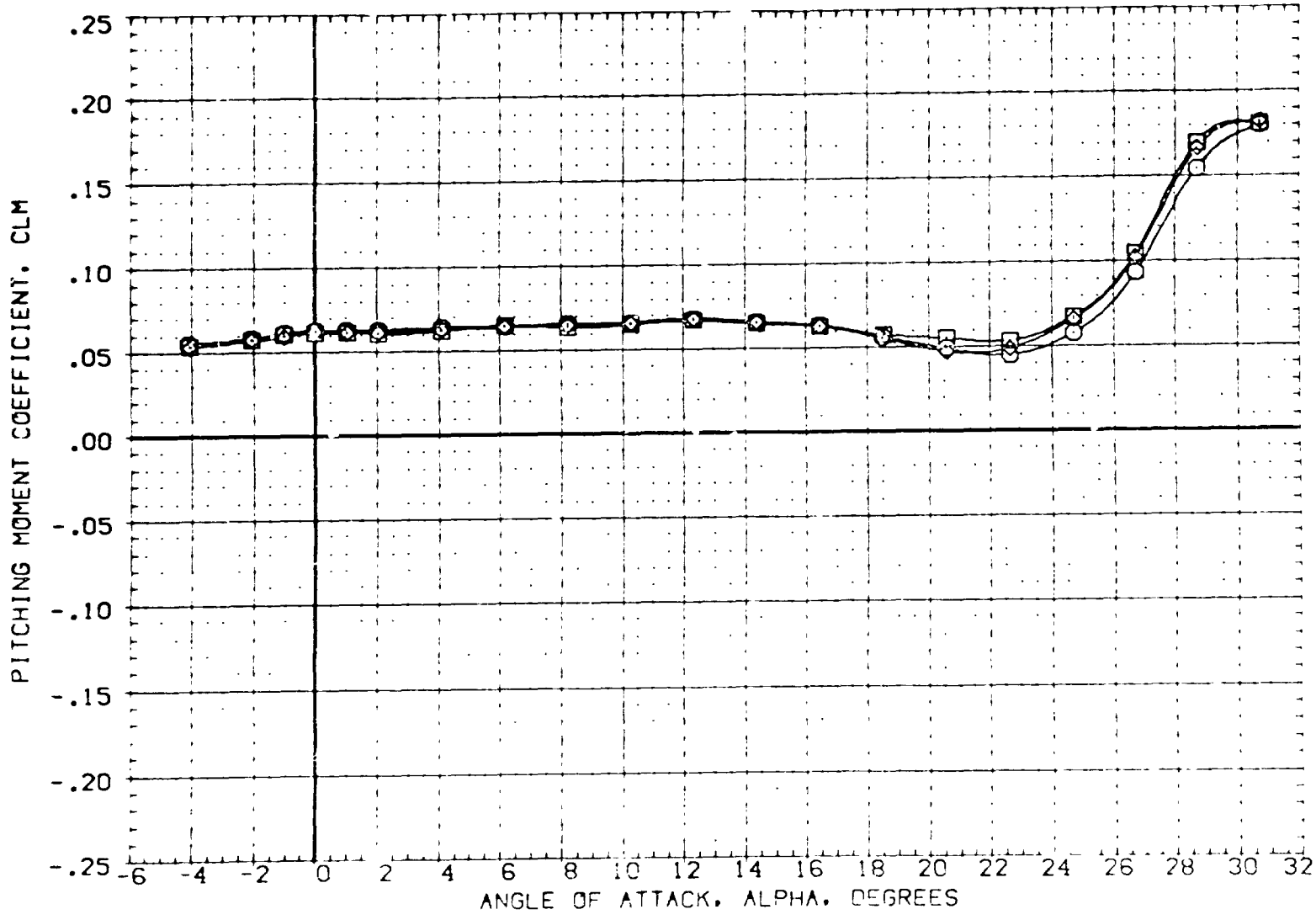


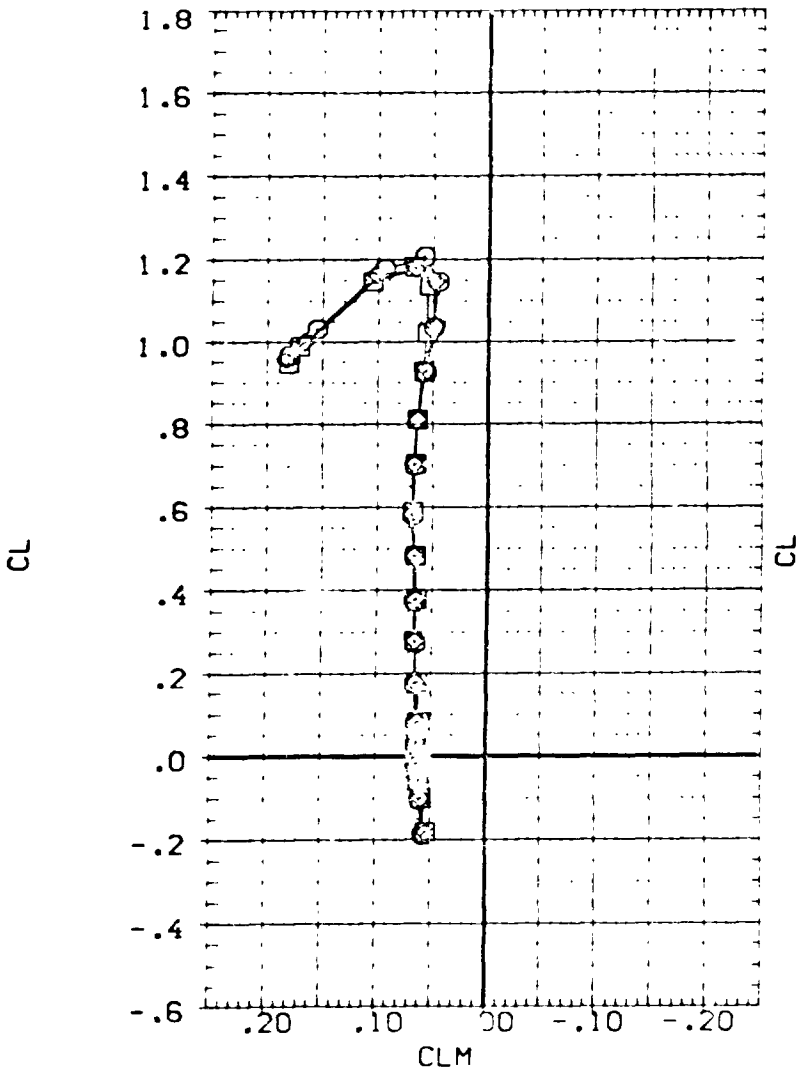

FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOX075) | □ | OA86 | B50C9 | M7F8 | W:16F26V8R5X9 |
| (AOX083) | ◇ | OA86 | B34C9 | M7F8 | W:16F26V8R5X9 |
| (AOX084) | △ | OA86 | B37C9 | M7F8 | W:16F26V8R5X9 |

| ELEVON | BUFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.0671 | INCHES |
| XMRP | 43.[illegible]24 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1[illegible]75 | INCHES |
| SCALE | .04[illegible]5 | SCALE |



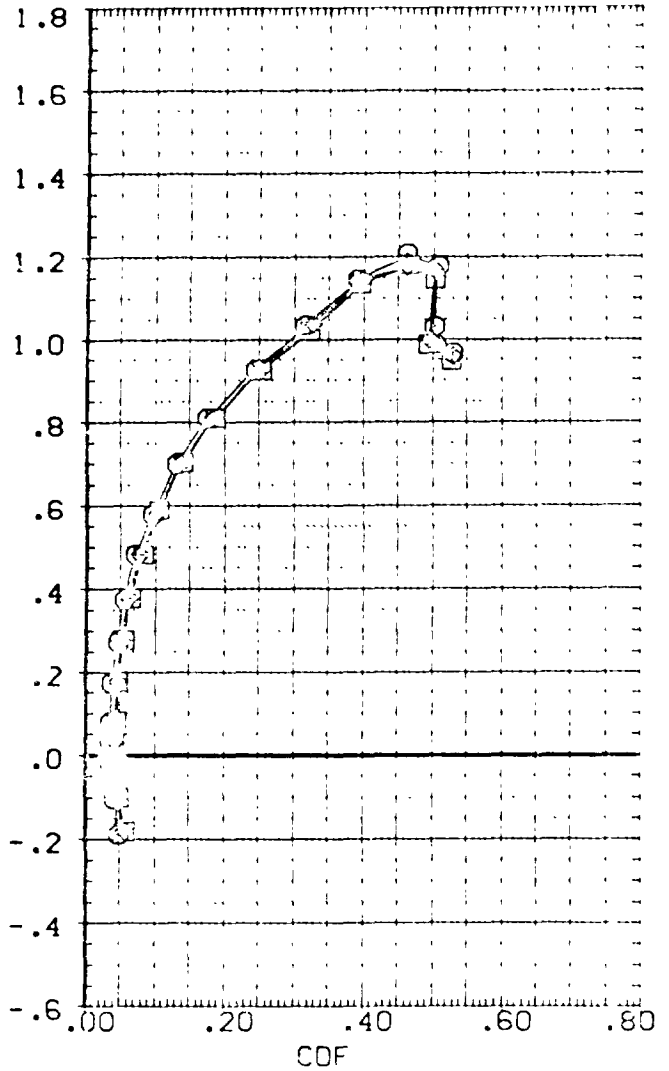




FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHAR.

(A)MACH = .20

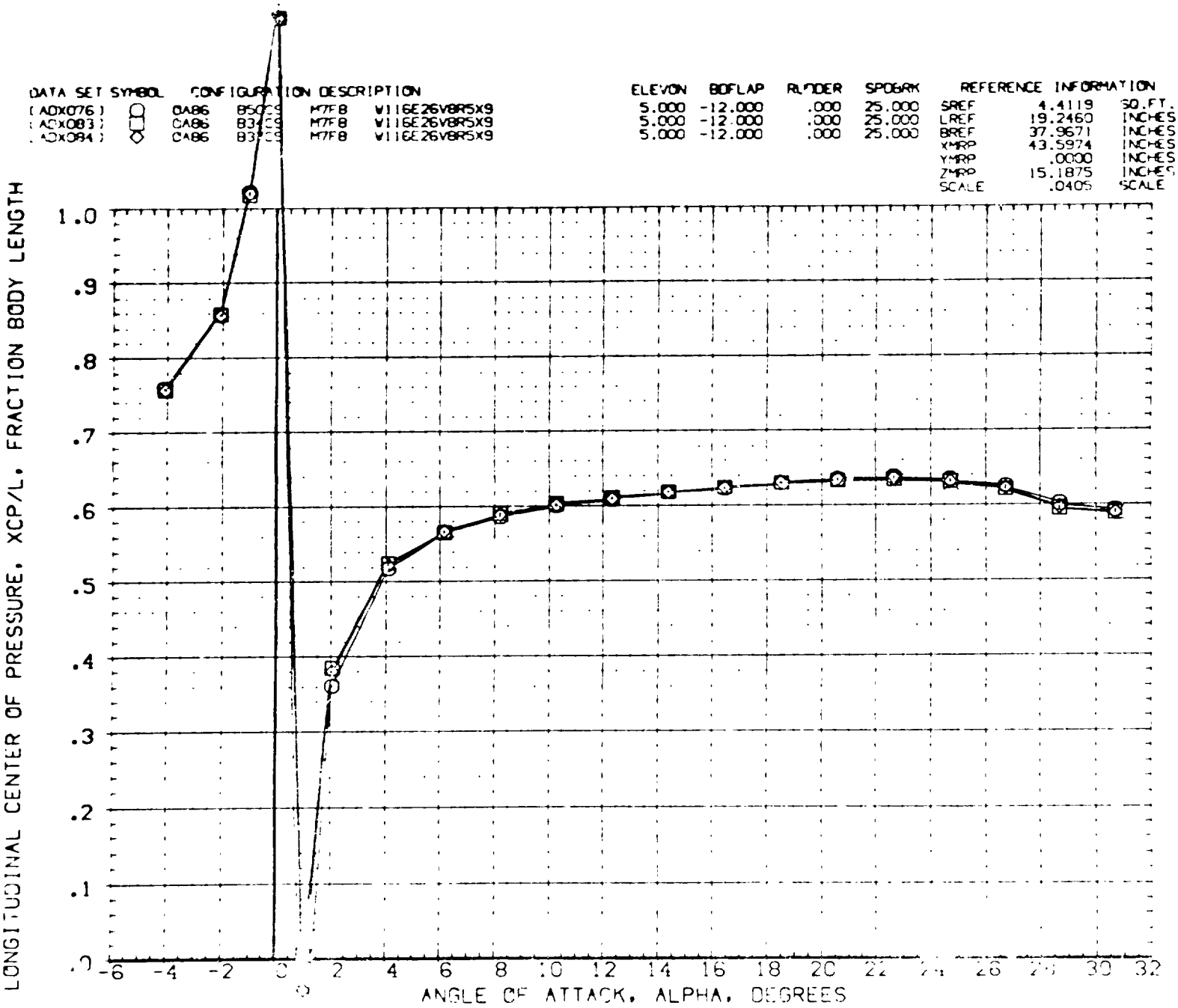



FIG 23 EFFECT OF AFT [illegible] BY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL [illegible]

(A)MACH = .22

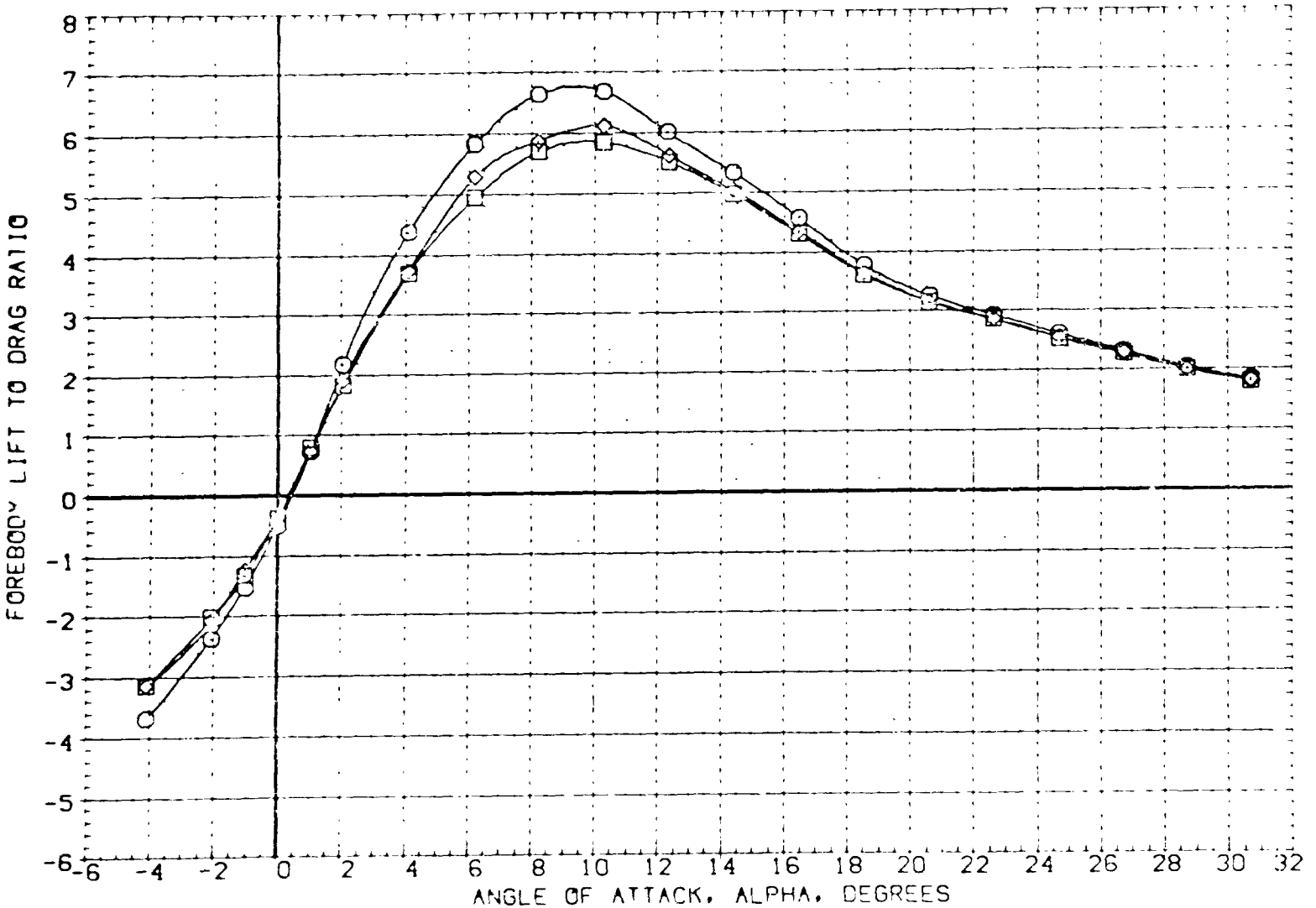



FIG 23 EFFECT OF AFTERBODY TURNING VANES, 5 DEG ELEVON, LONGITUDINAL CHAR.

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx00.1) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx02.5) | ⊠ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADx03.1) | ⊗ | 0A86 | B33C3 | M7F8 | W116E26V8R5X9 |
| (ADx 60.) | △ | 0A86 | B [illegible]C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

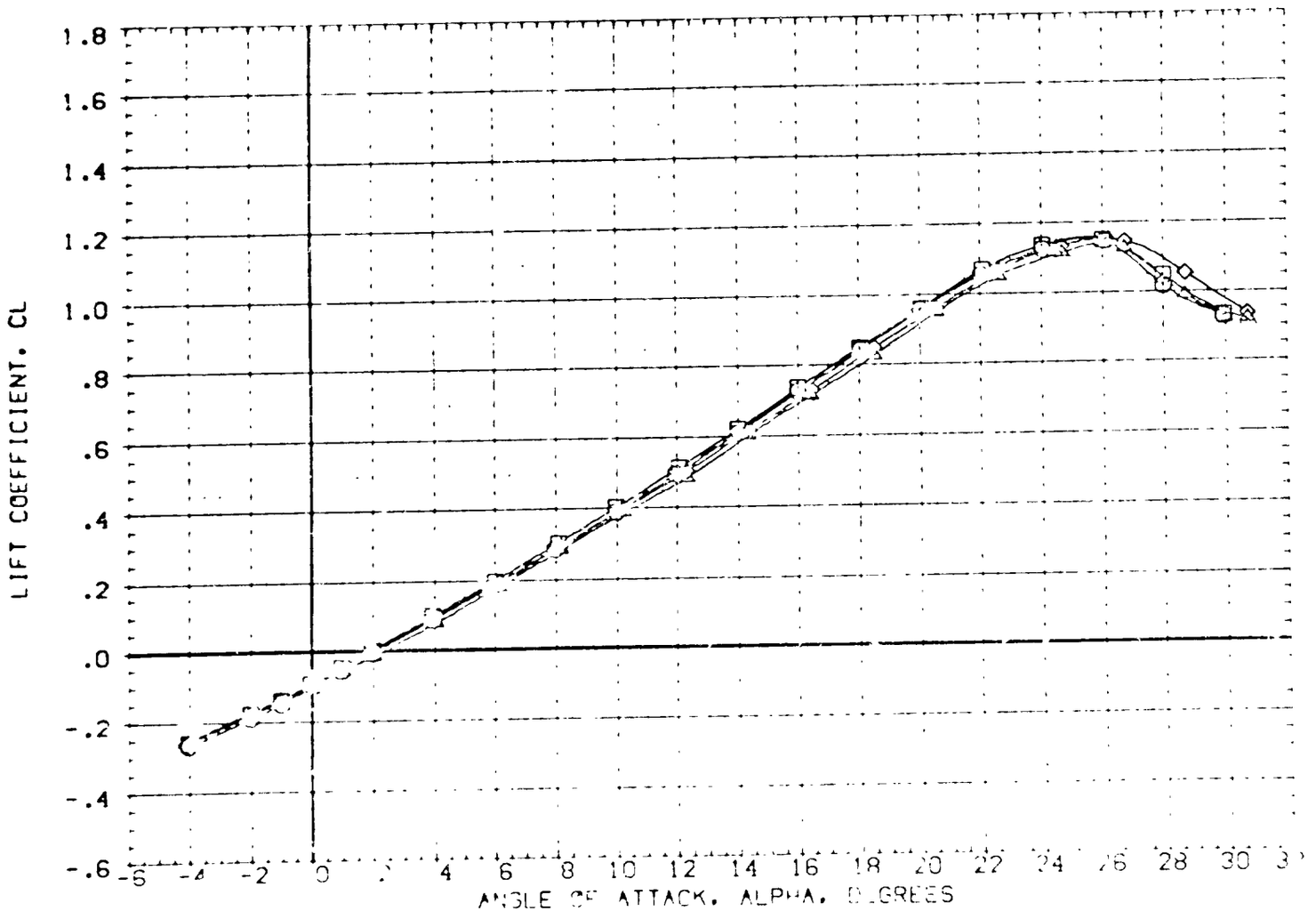



FIG 24 EFFECT OF [illegible] BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MAC = .20

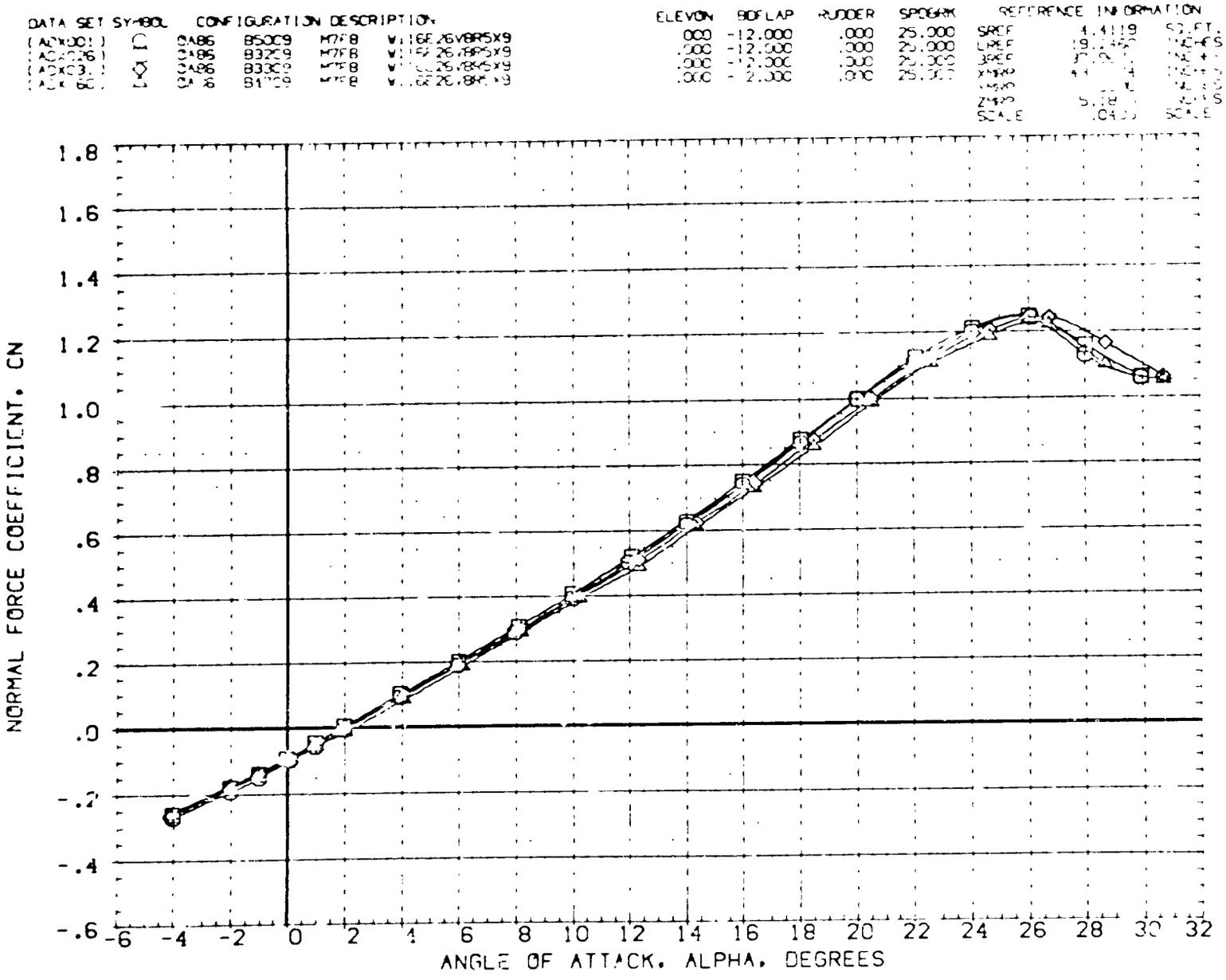



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

C-3

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX026) | | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX031) | | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX160) | | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

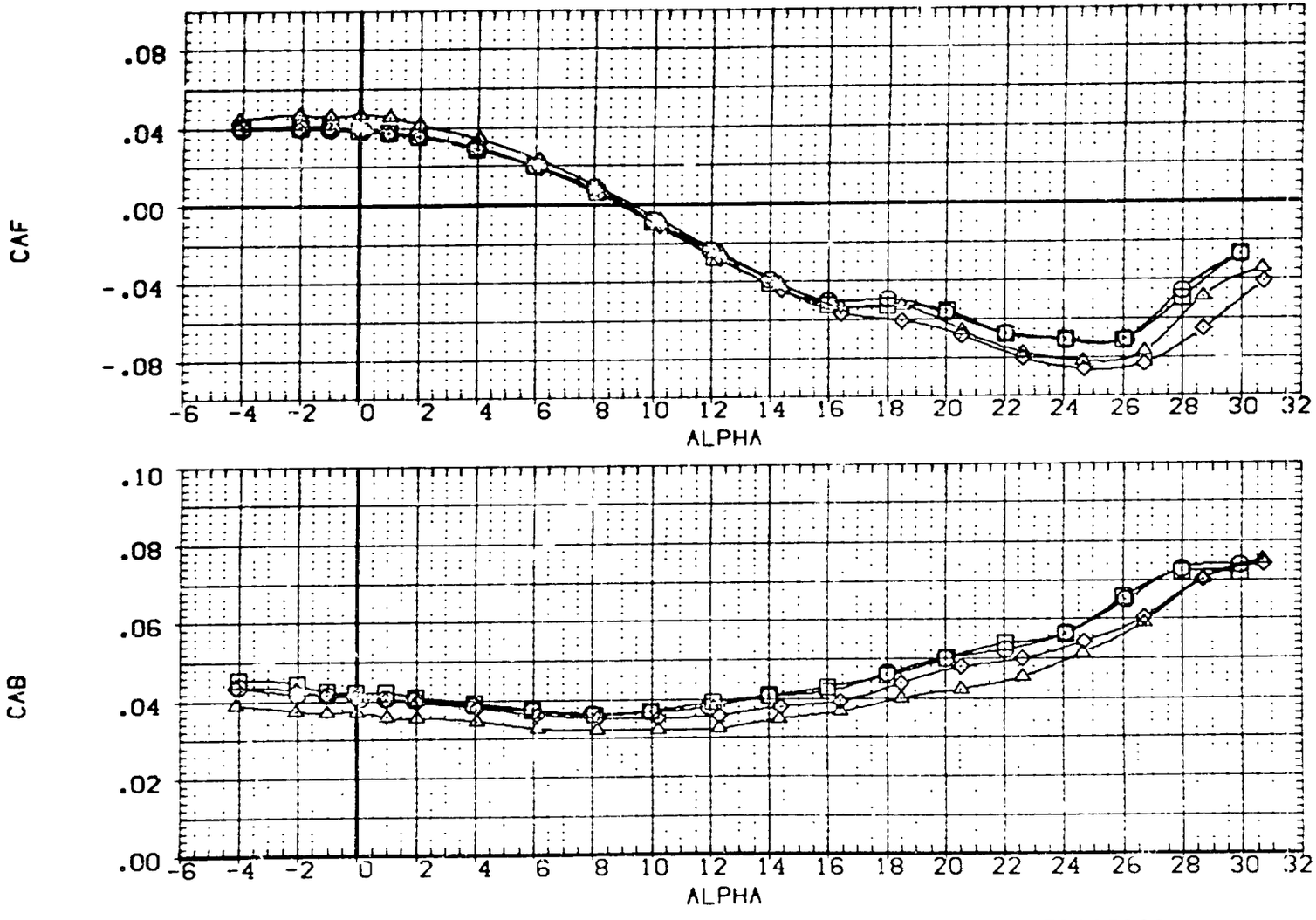



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX026) | ◇ | CA86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX031) | ◇□ | CA86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX160) | △ | CA86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1815 | INCHES |
| SCALE | .0405 | SCALE |

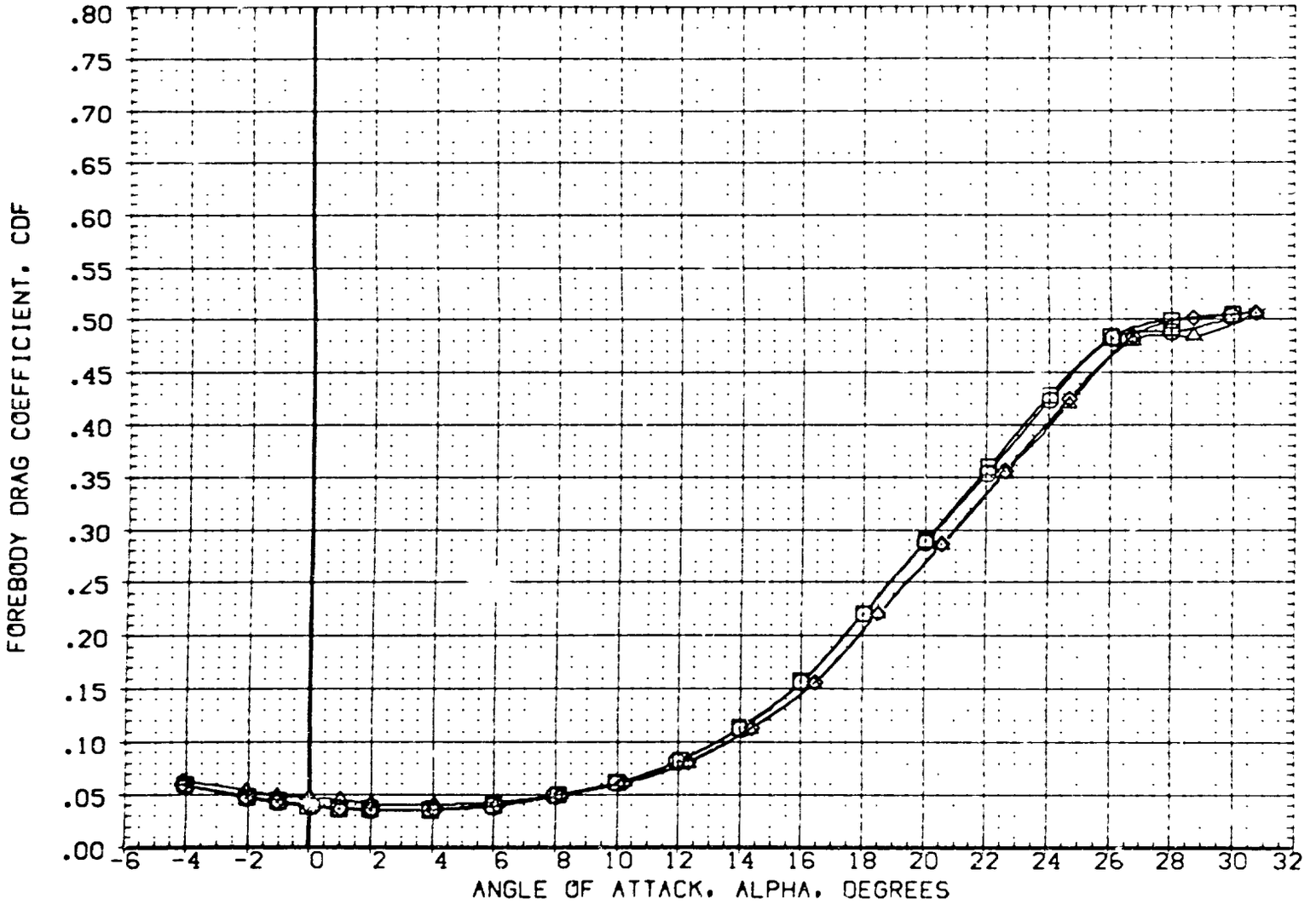



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | 0A36 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX026) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX031) | ◇ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX160) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

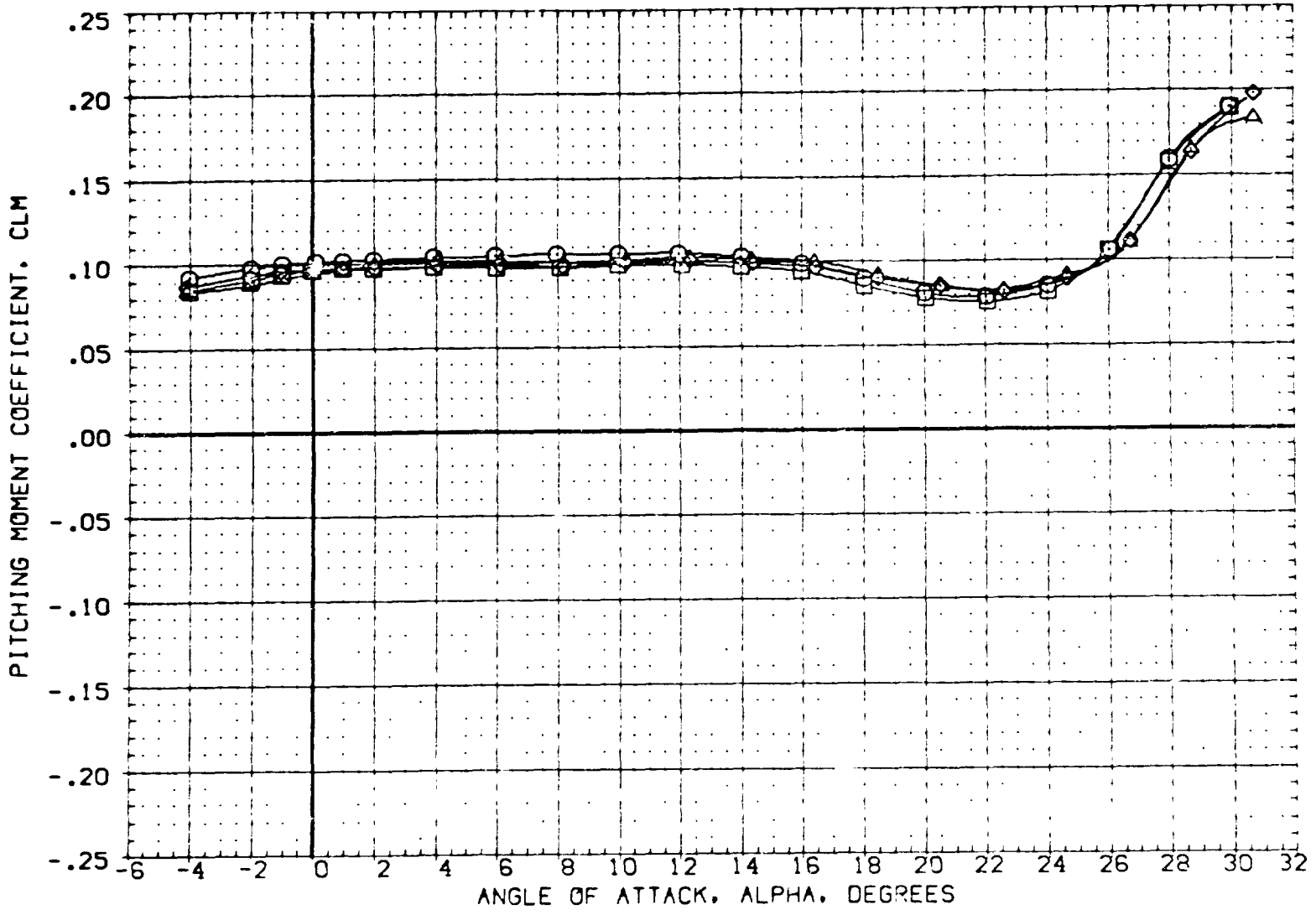



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX026) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX031) | ⊗ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX160) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

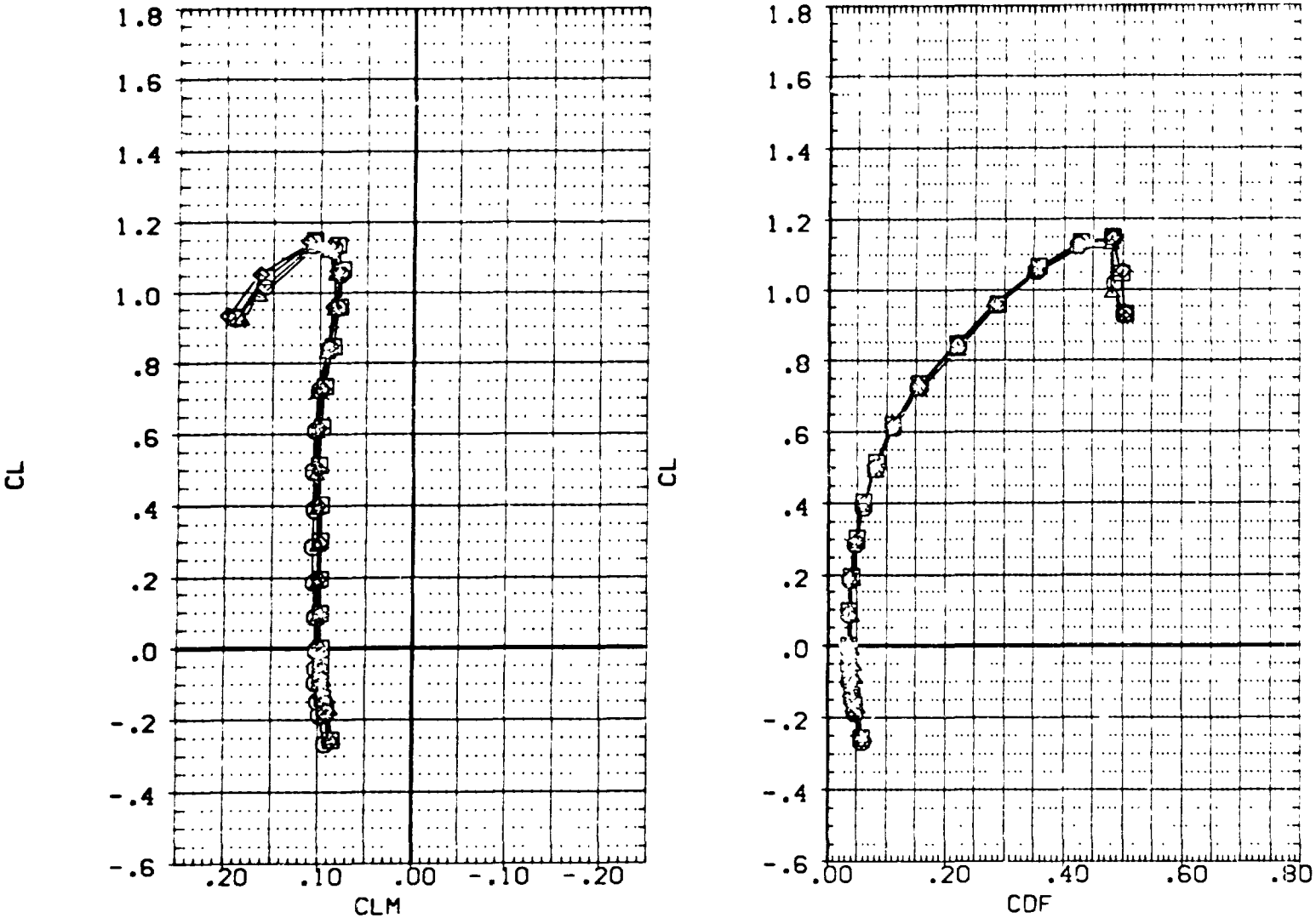



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

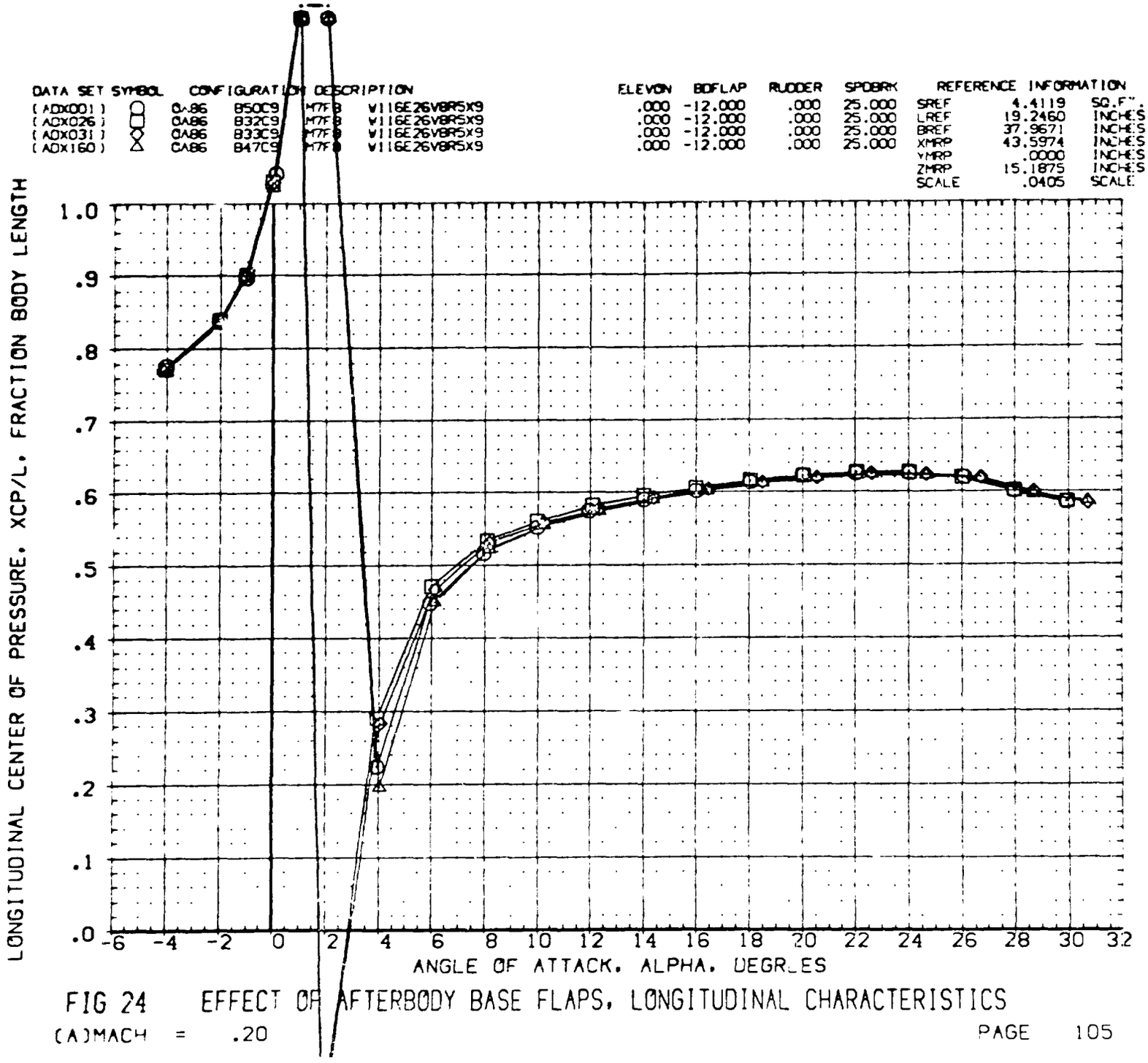



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX026) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX031) | ◇ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ACX160) | △ | 0A86 | B47C9 | M7F8 | W116E26V8P5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4118 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

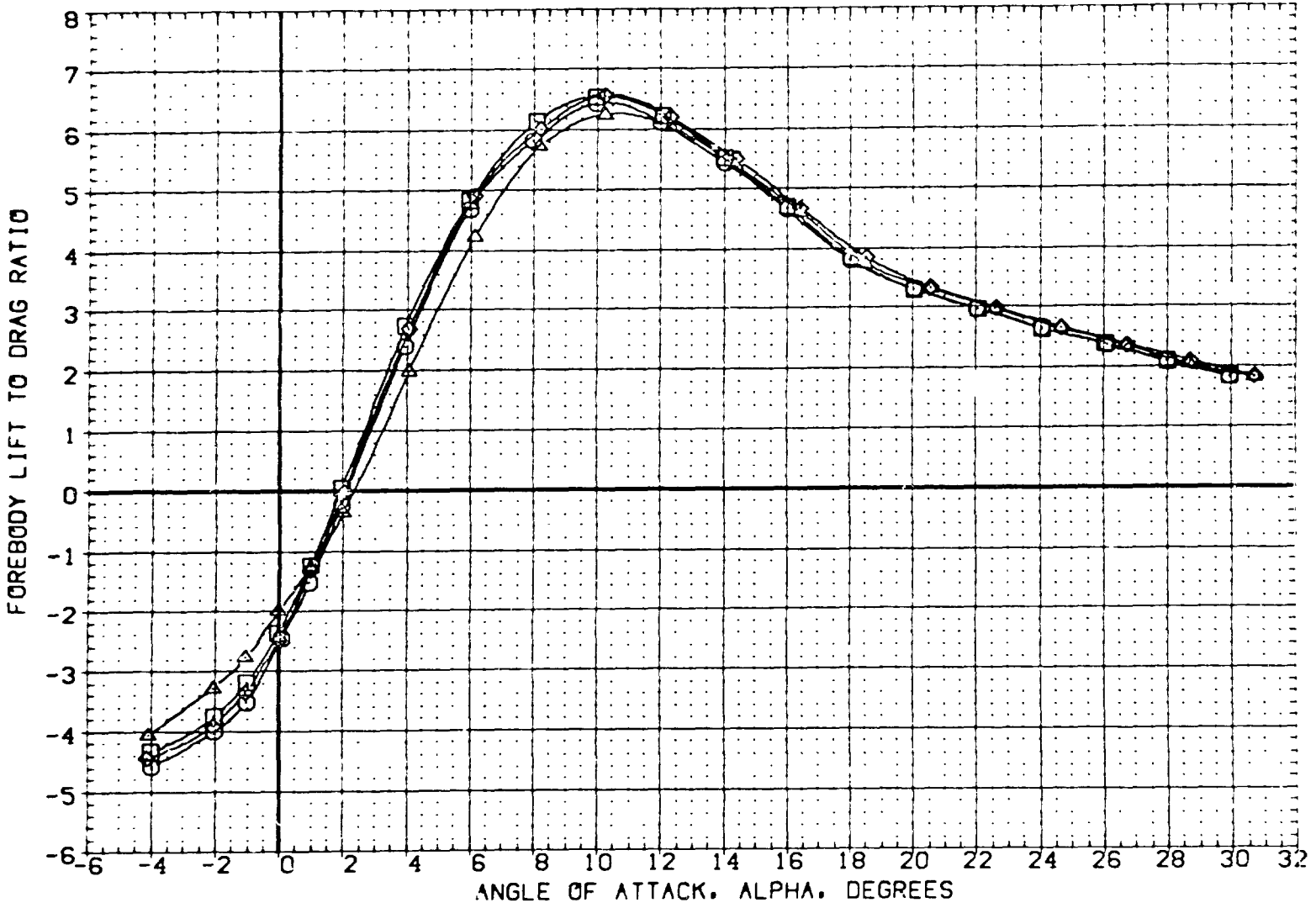



FIG 24 EFFECT OF AFTERBODY BASE FLAPS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX081) | □ | 0A86 | B32C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX082) | ◇ | 0A86 | B33C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX201) | △ | 0A86 | B47C9 | M7F8 | W1I6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBPK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

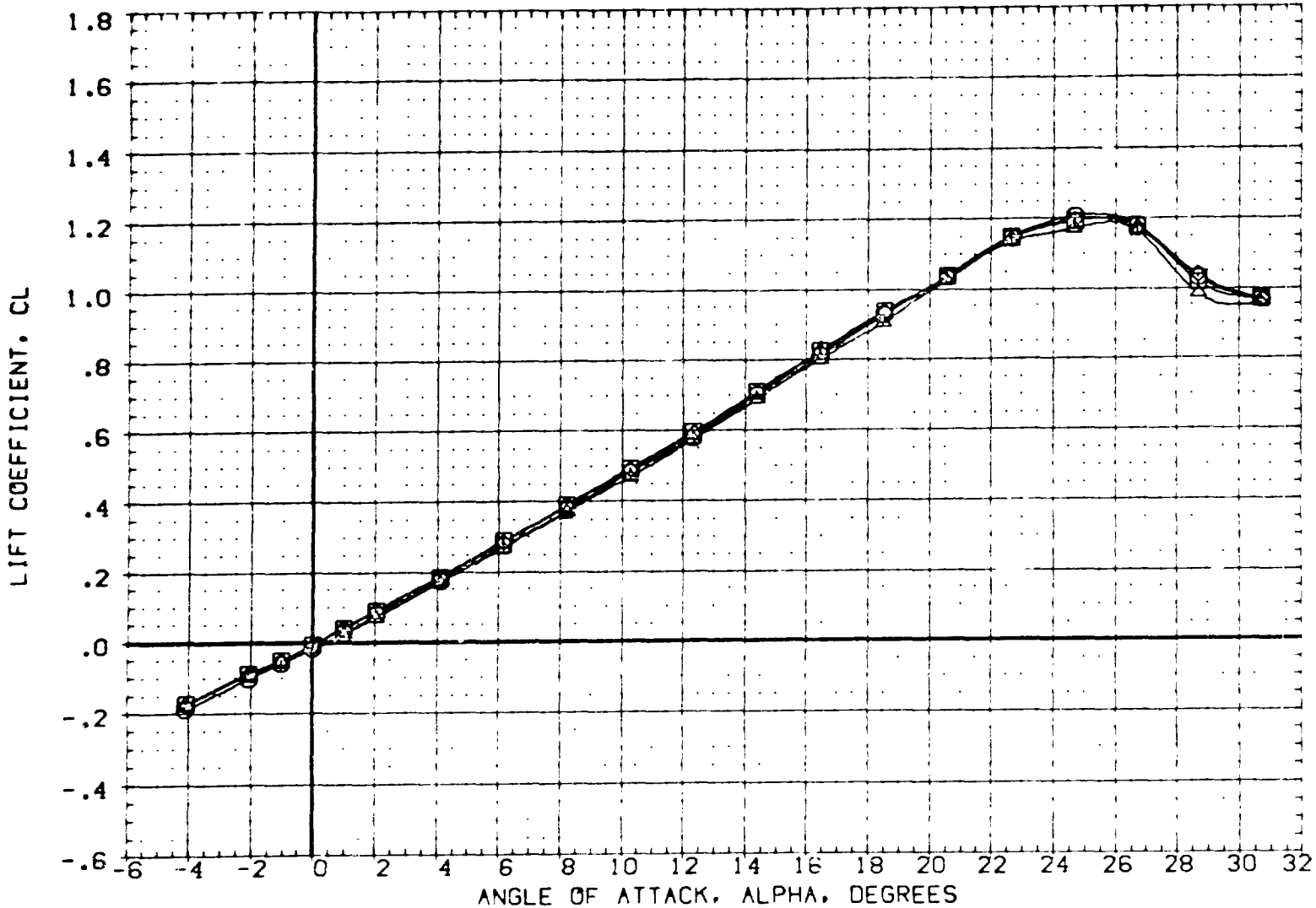



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX081) | □ | CA86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX082) | ⊠ | CA86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX201) | △ | CA86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOORK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9871 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1855 | INCHES |
| SCALE | .0405 | SCALE |

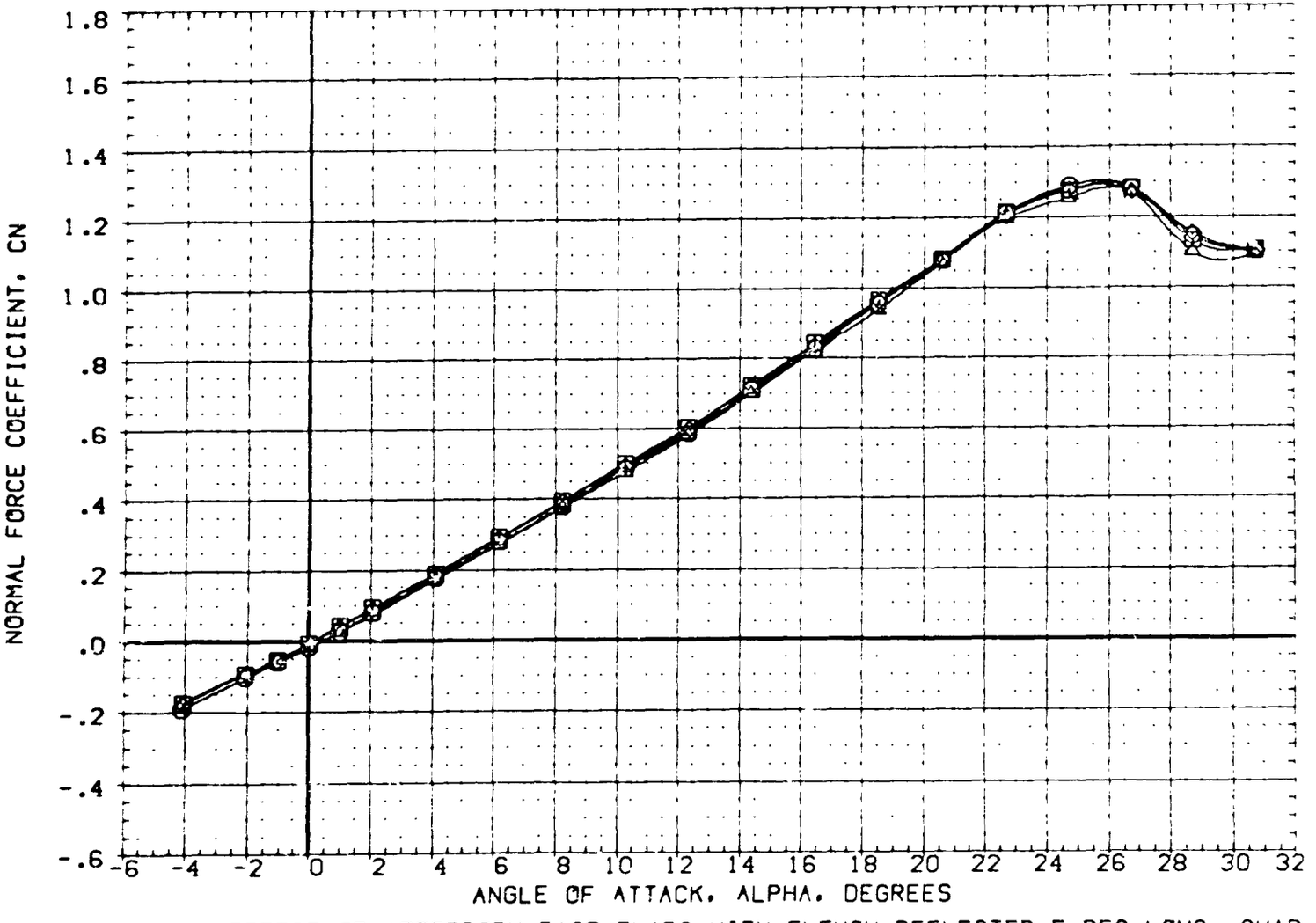



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX081) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX082) | ◇ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX201) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

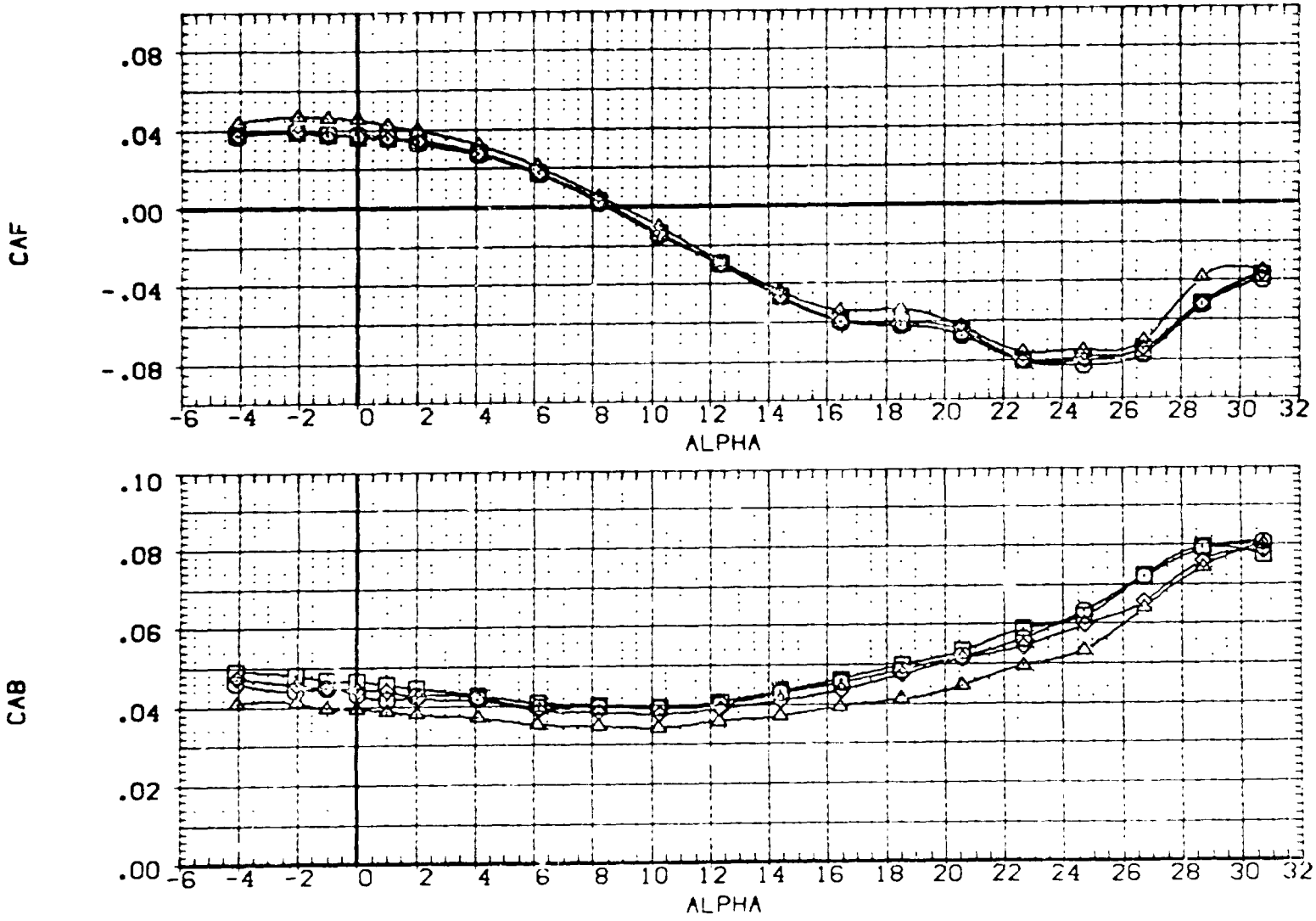



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. TAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | | 0A86 | 950C9 | M7F8 | W1.6E26V8R5X9 |
| (ADX081) | | 0A86 | 832C9 | M7F8 | W1.6E26V8R5X9 |
| (ADX082) | | 0A86 | 833C9 | M7F8 | W1.6E26V8R5X9 |
| (ADX201) | | 0A86 | 847C9 | M7F8 | W1.6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

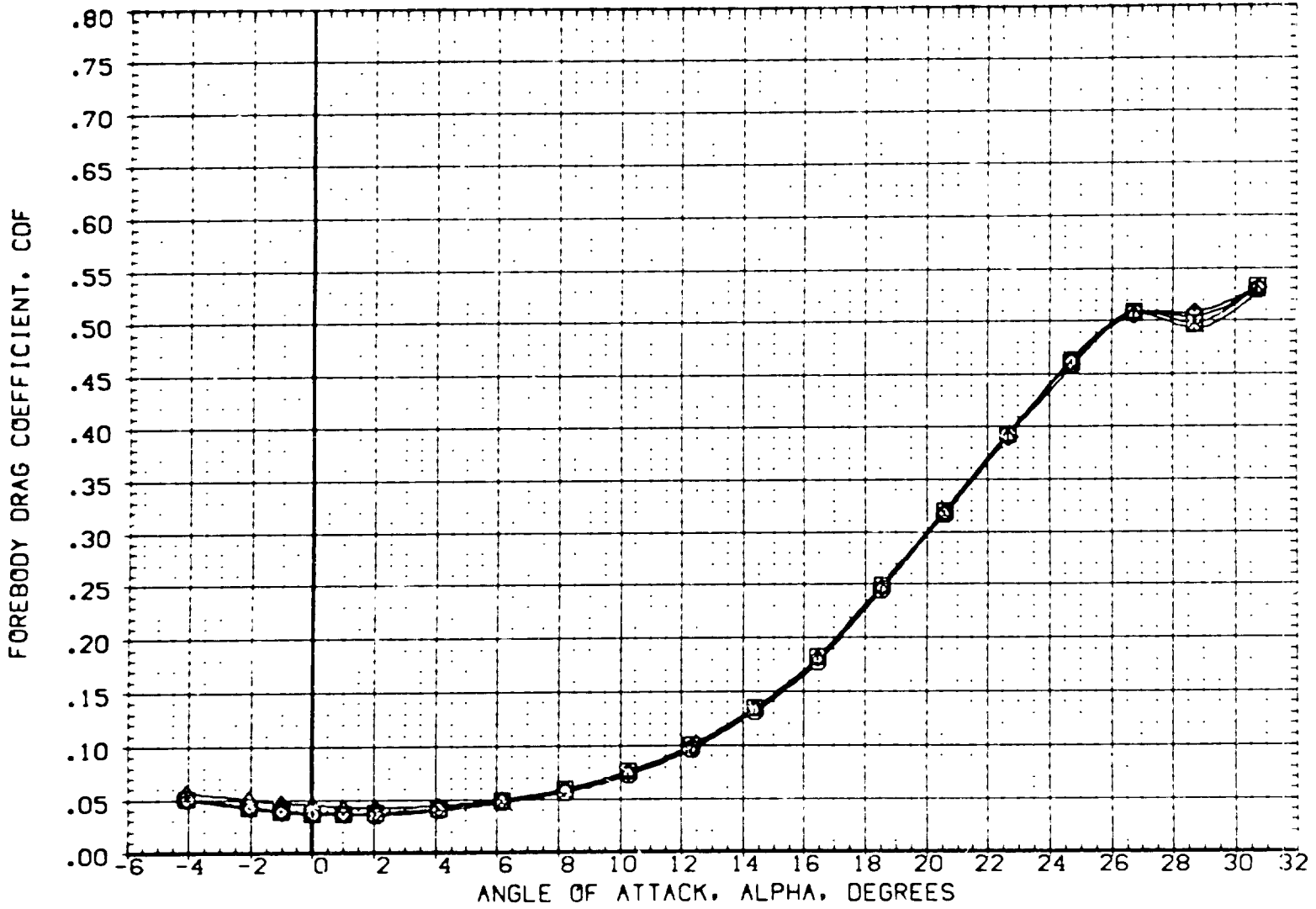



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (A0X076) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (A0X081) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (A0X082) | ◇ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (A0X201) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.9374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

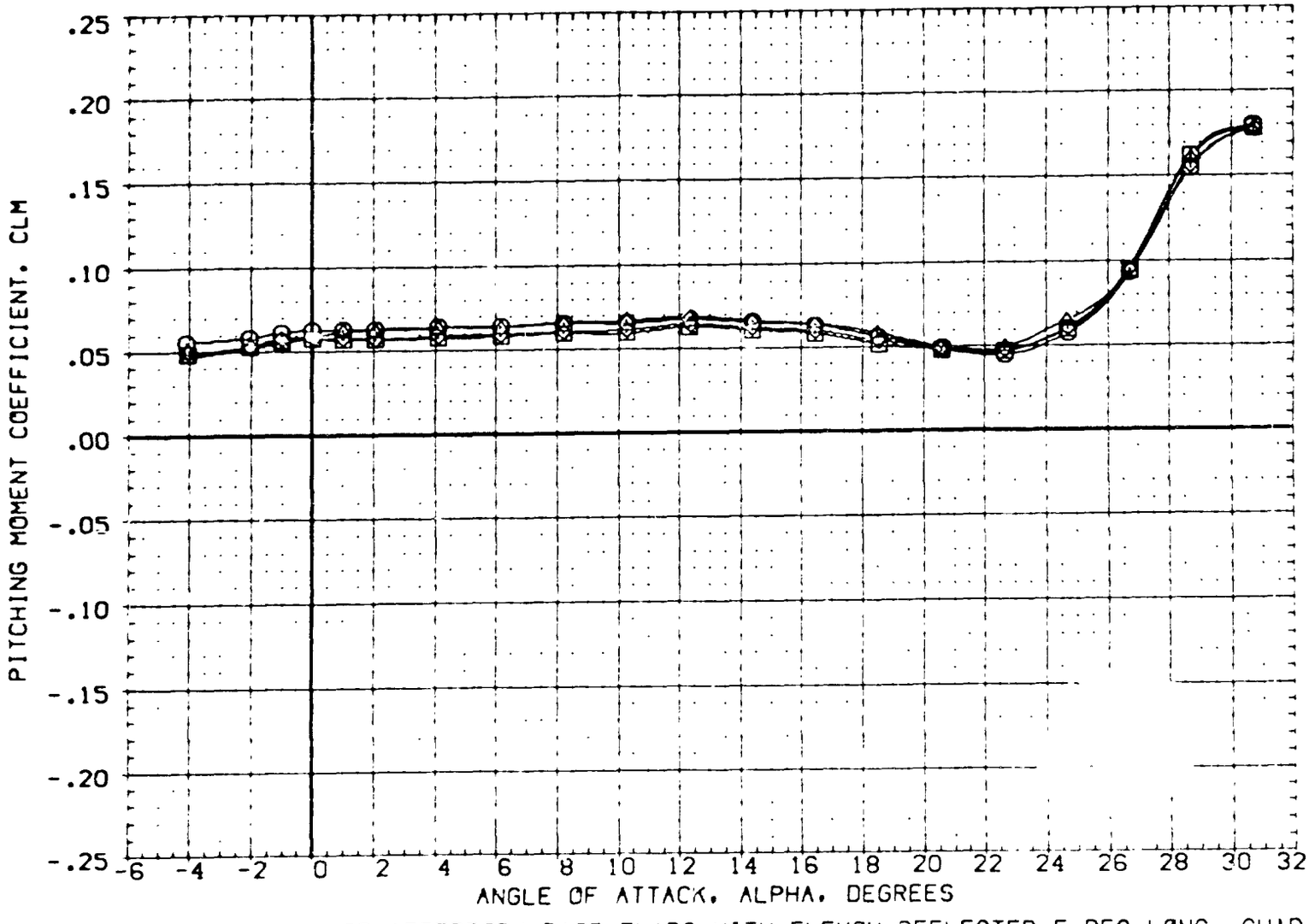



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AD×076) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (AD×081) | ◇ | CA86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (AD×082) | ⊠ | CA86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (AD×201) | △ | CA86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | .5.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.8375 | INCHES |
| SCALE | .0425 | SCALE |

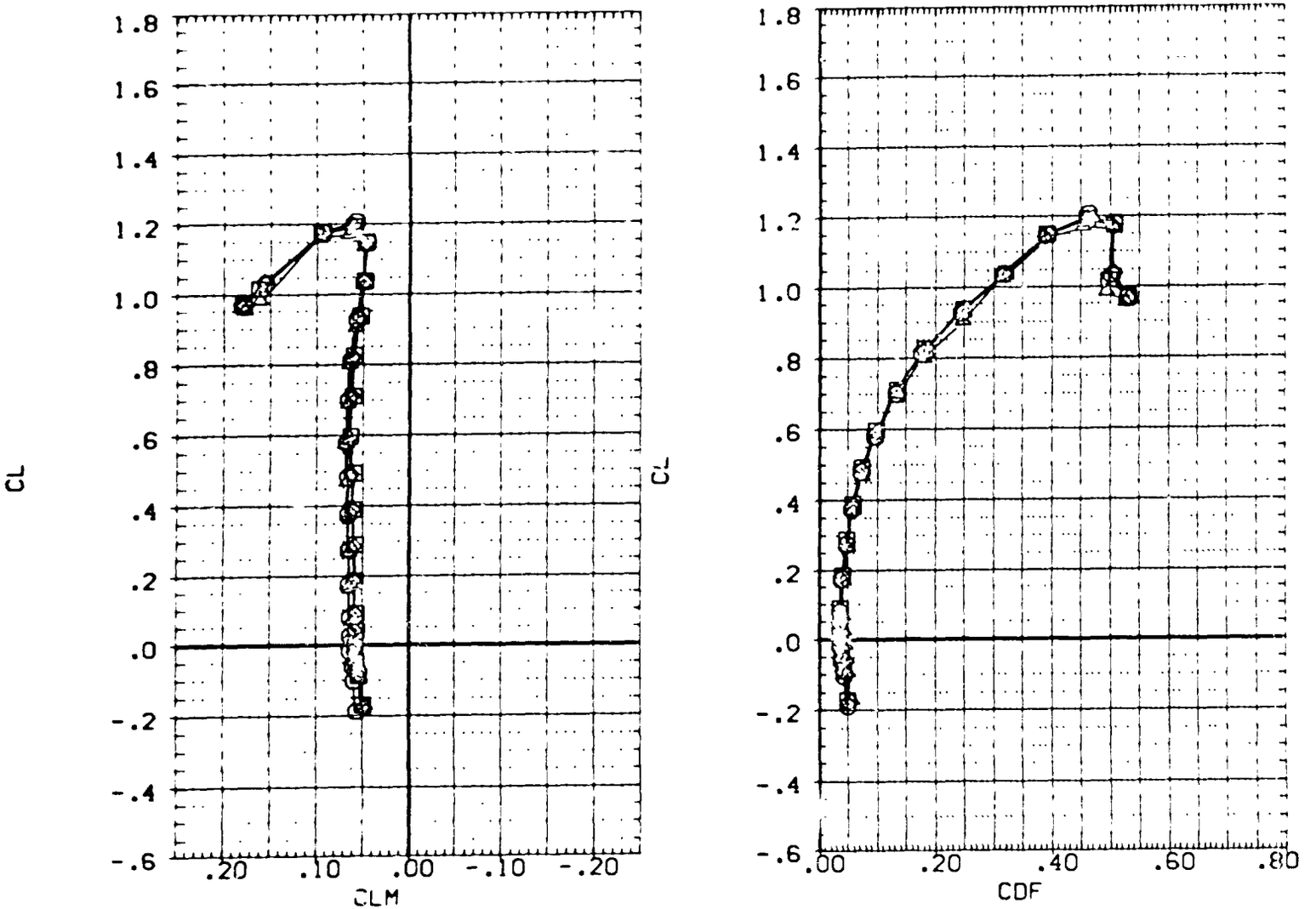



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

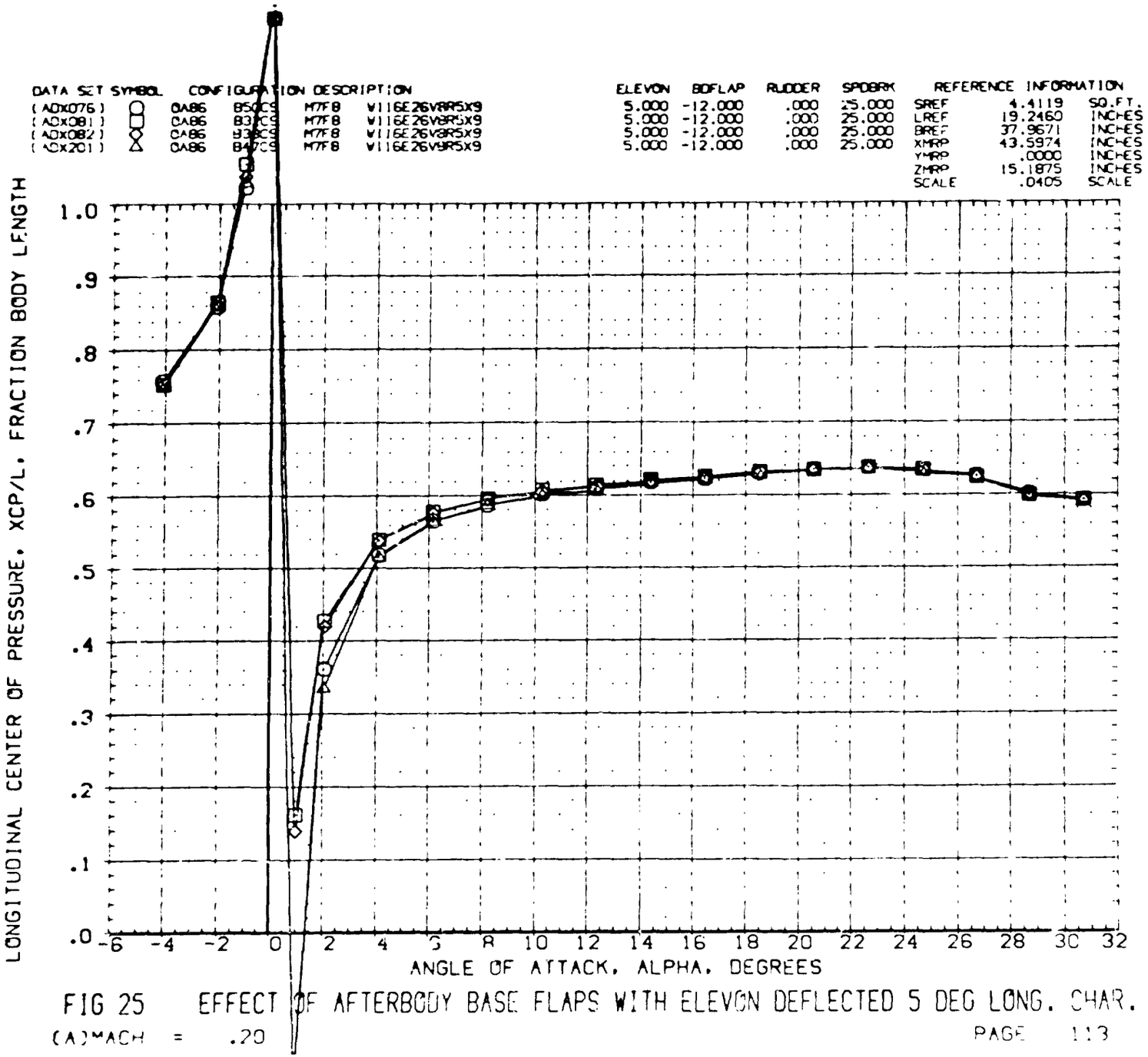



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX081) | ○ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ADX082) | ◇ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ADX201) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

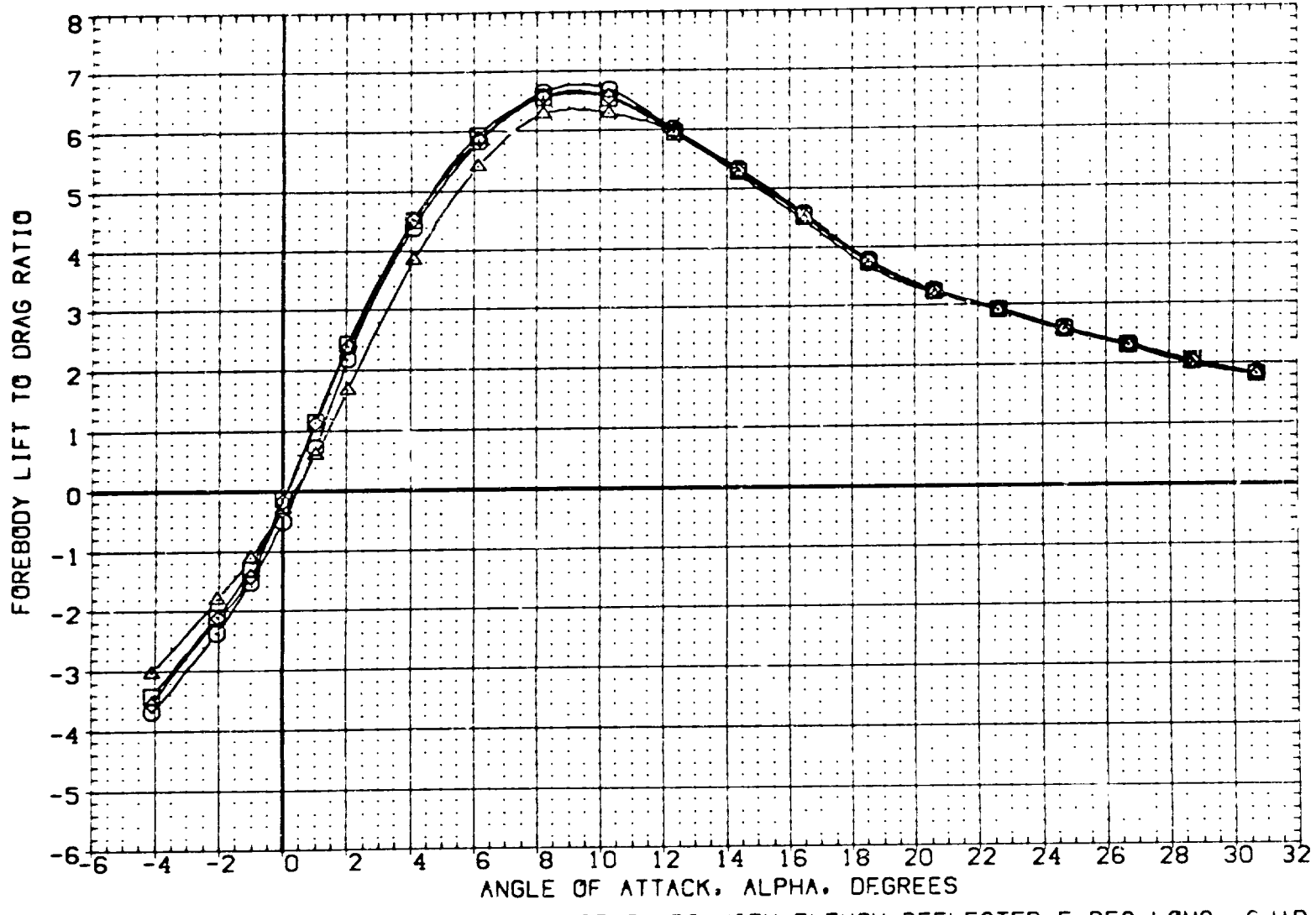



FIG 25 EFFECT OF AFTERBODY BASE FLAPS WITH ELEVON DEFLECTED 5 DEG LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX202) | ○ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 | .000 | 5.000 | .000 | 25.000 |
| (ROX203) | □ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 | 5.000 | 5.000 | .000 | 25.000 |
| (ROX204) | ◇ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | 25.000 |
| (ROX205) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

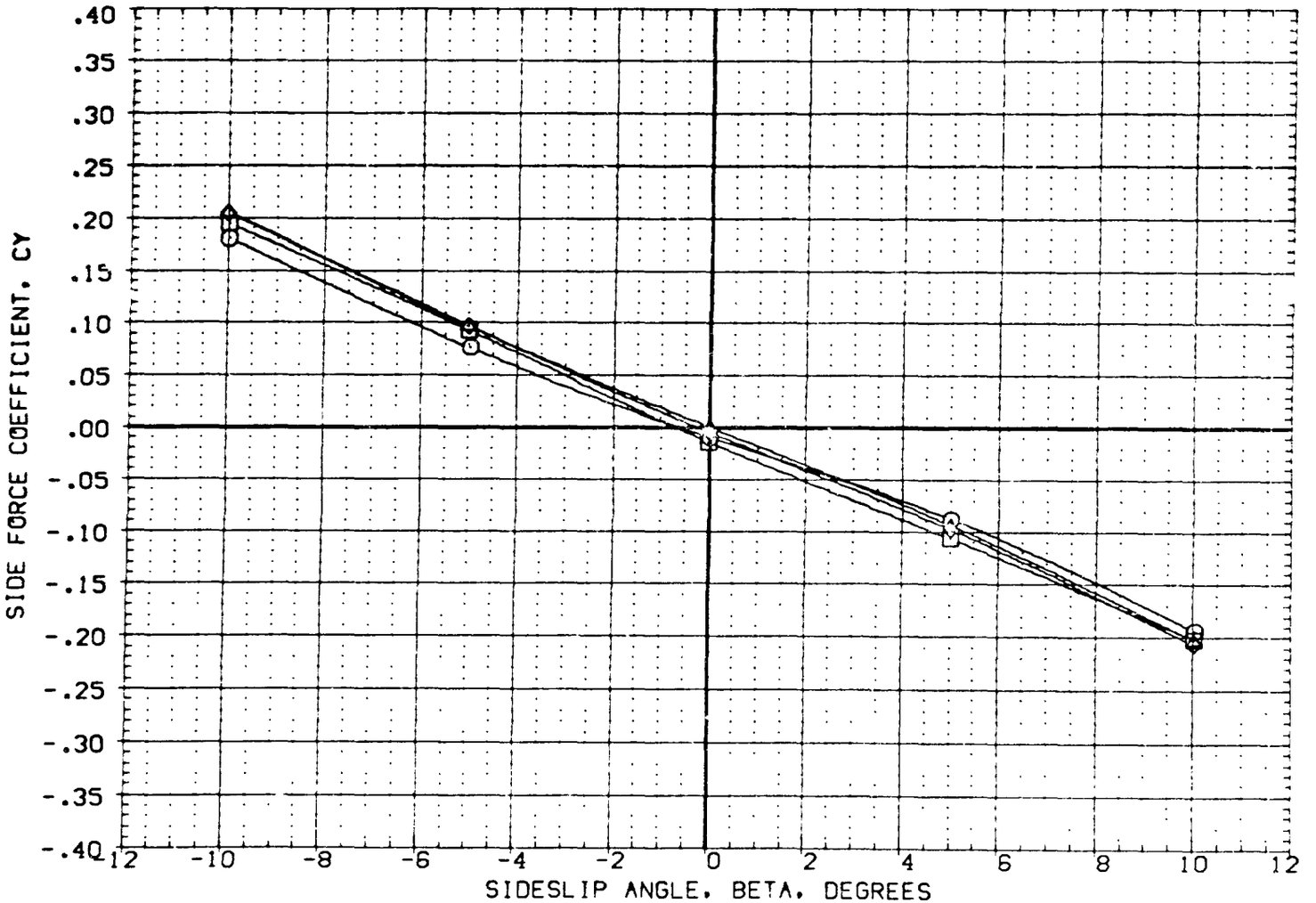



FIG 26 EFFECT OF ANGLE OF ATTACK ON AFTERBODY BASE FLAPS WITH 5 DEG ELEVON

(A)MACH = .20

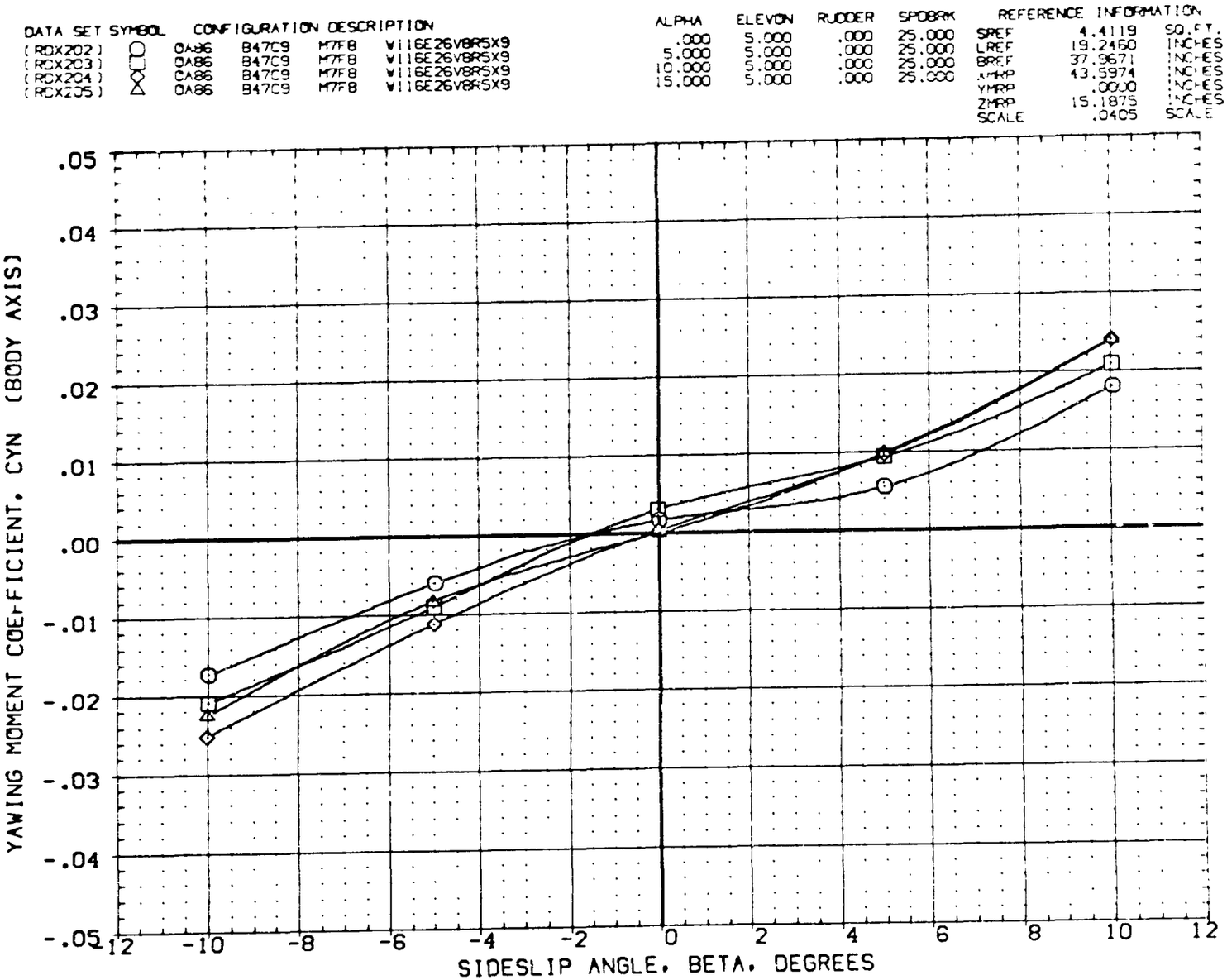



FIG 26 EFFECT OF ANGLE OF ATTACK ON AFTERBODY BASE FLAPS WITH 5 DEG ELEVON

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX202) | ○ | OAB6 | B47C9 | M7F8 | W116E26V8R5X9 | .000 | 5.000 | .000 | 25.000 |
| (RDX203) | □ | OAB6 | B47C9 | M7F8 | W116E26V8R5X9 | 5.000 | 5.000 | .000 | 25.000 |
| (RDX204) | ◇ | OAB6 | B47C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | 25.000 |
| (RDX205) | △ | OAB6 | B47C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

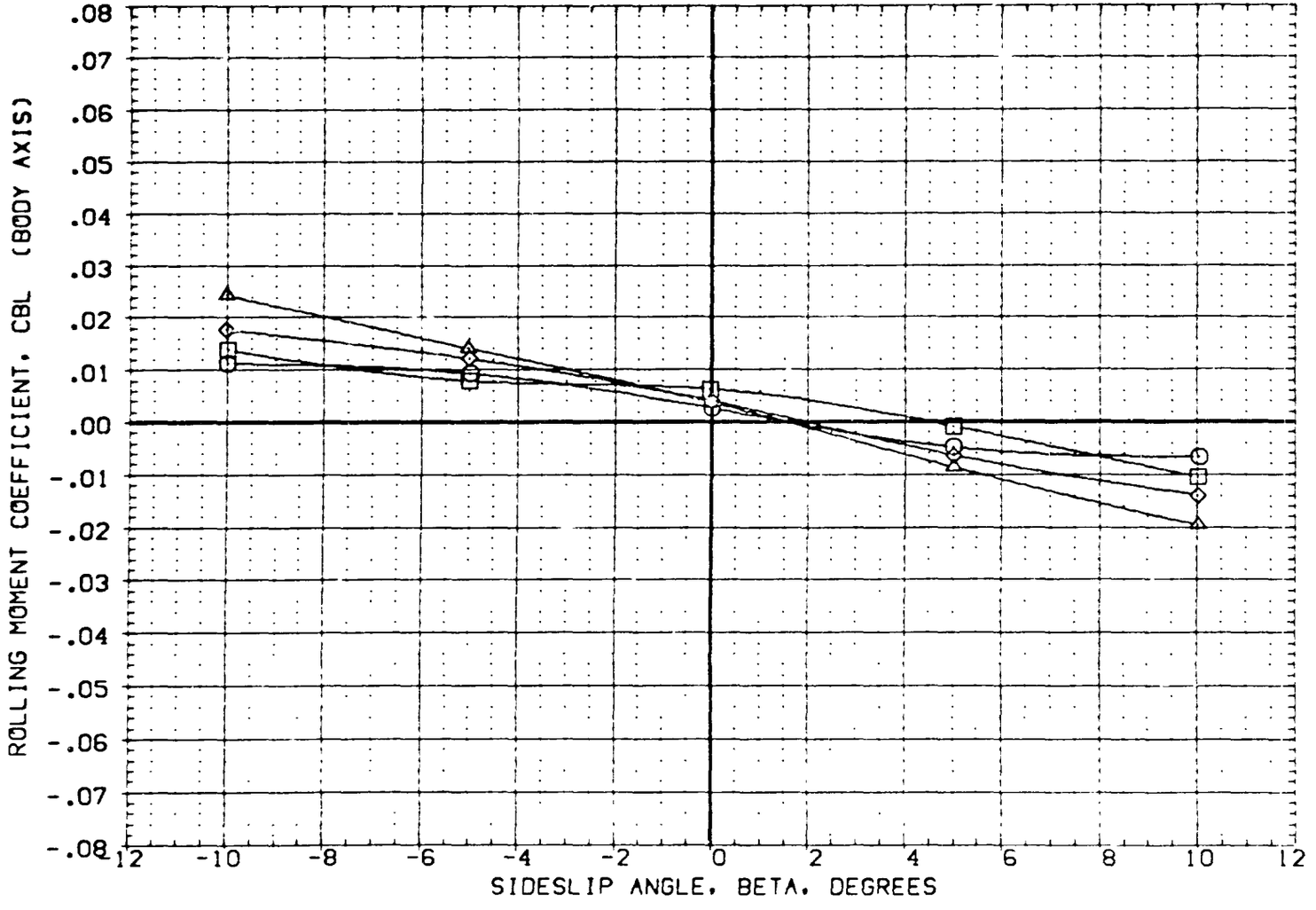



FIG 26 EFFECT OF ANGLE OF ATTACK ON AFTERBODY BASE FLAPS WITH 5 DEG ELEVON

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX002) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX027) | ◇ | CA86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (RDX032) | ⊠ | CA86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (RDX161) | △ | CA86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDFR | SPDBRK |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

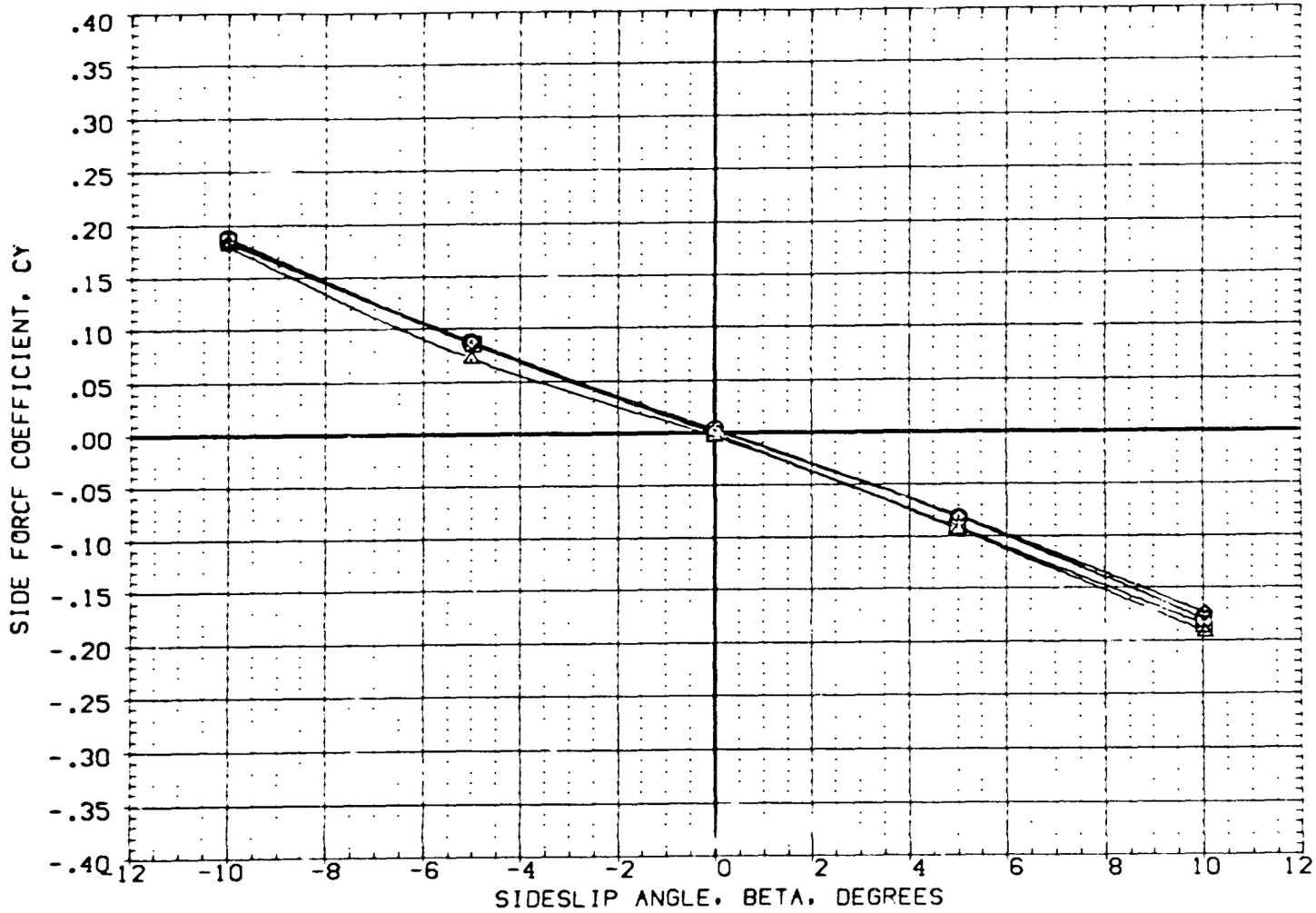



FIG 27 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 0 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX002) | □ | 0A86 | B50C9 | M7F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX027) | ▭ | 0A86 | B32C9 | M7F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX032) | ◇ | 0A86 | B33C9 | M7F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX161) | △ | 0A86 | B47C9 | M7F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

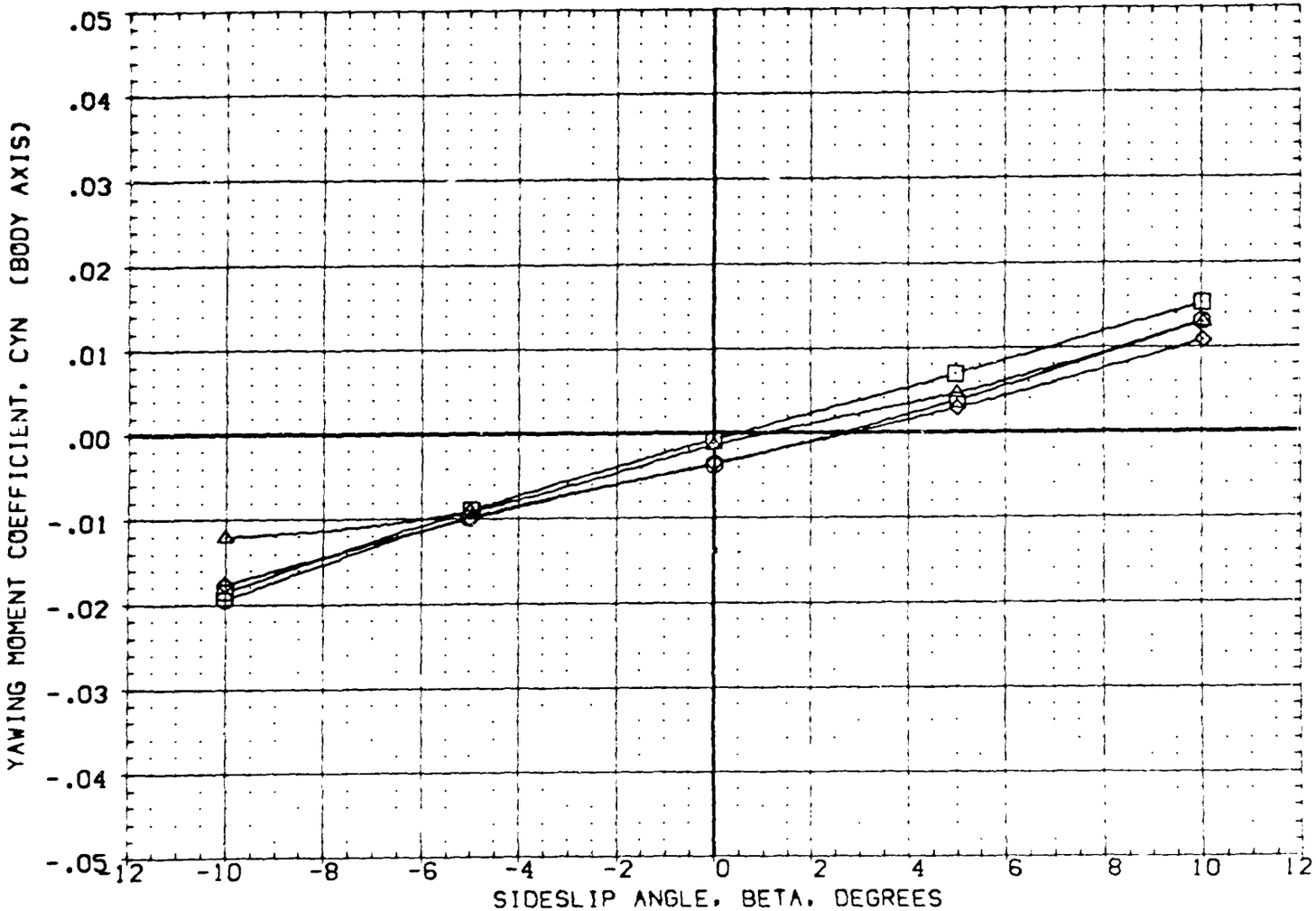



FIG 27 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 0 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDx002) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDx027) | □ | CA86 | B32C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDx032) | ⊠ | CA86 | B33C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDx161) | △ | CA86 | B47C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5970 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

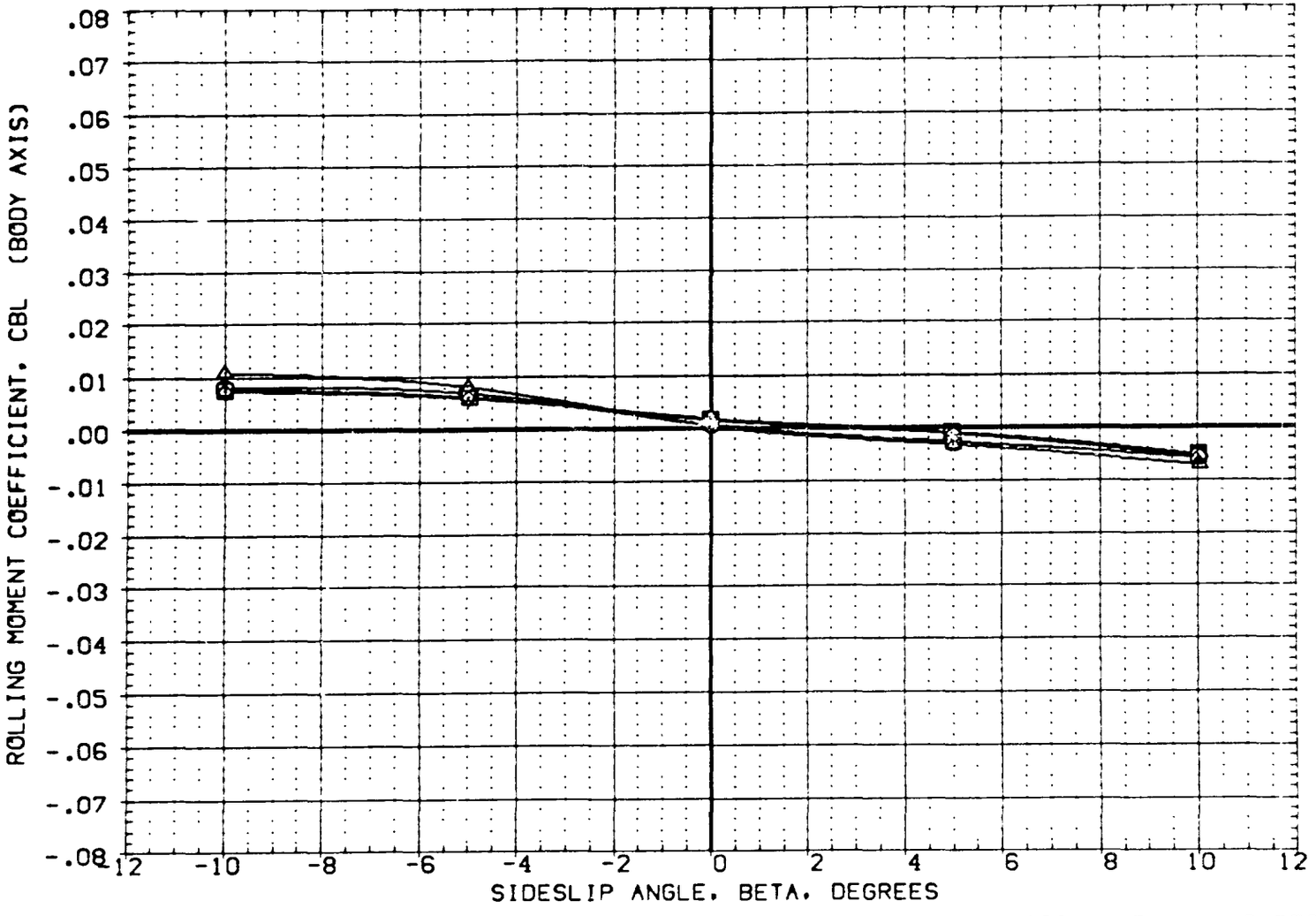



FIG 27 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 0 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX003) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX028) | □ | CA86 | B32C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX033) | ◇ | CA86 | B33C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (ROX162) | △ | CA86 | B47C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

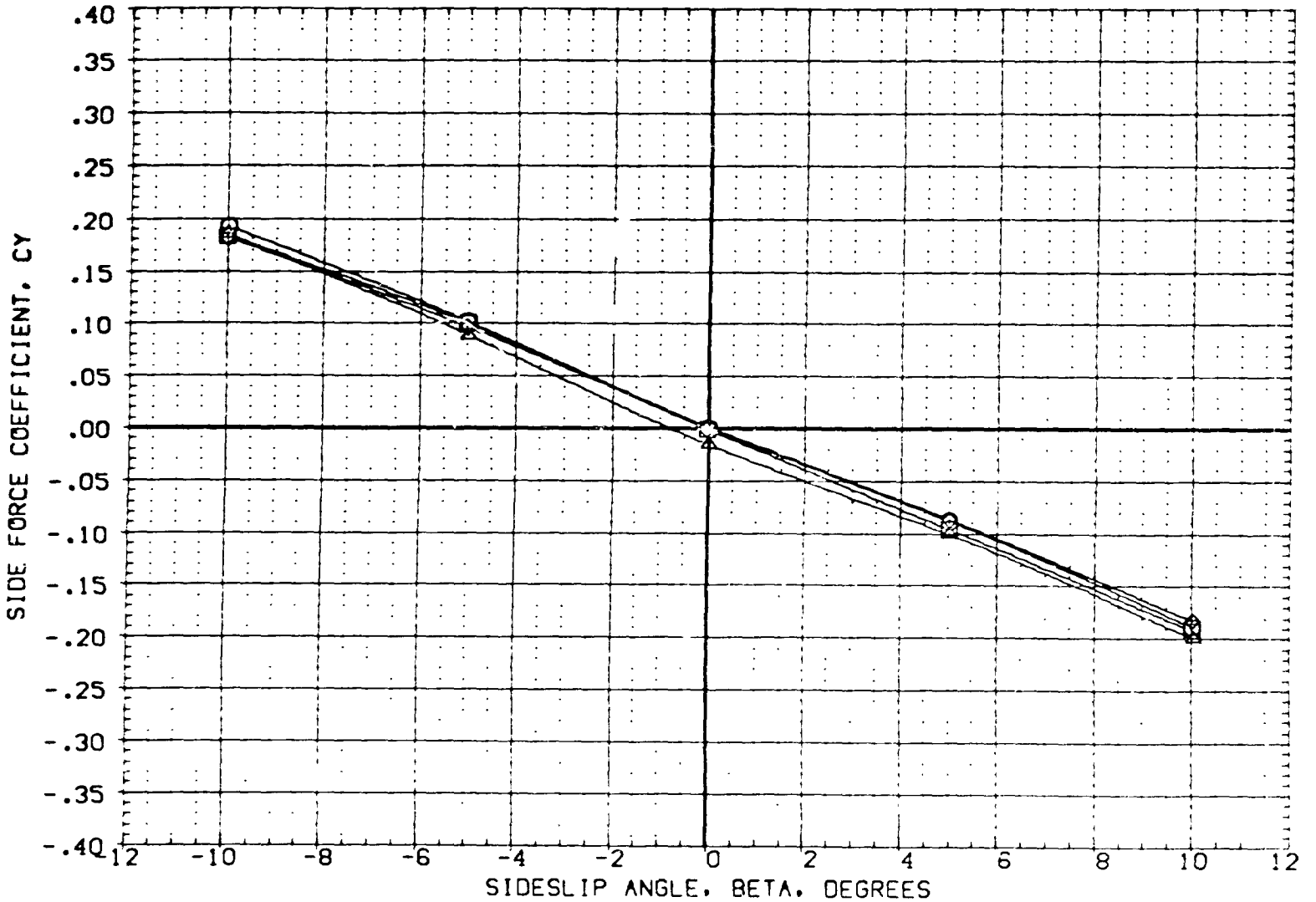



FIG 28 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 5 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX003) | ○ | CA86 | B50C9 | M7F8 | W116E2EV8R5X9 |
| (RDX028) | □ | CA86 | B32C9 | M7F8 | W116E2EV8R5X9 |
| (RDX033) | ◇ | CA86 | B33C9 | M7F8 | W116E2EV8R5X9 |
| (RDX162) | △ | CA86 | B47C9 | M7F8 | W116E2EV8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

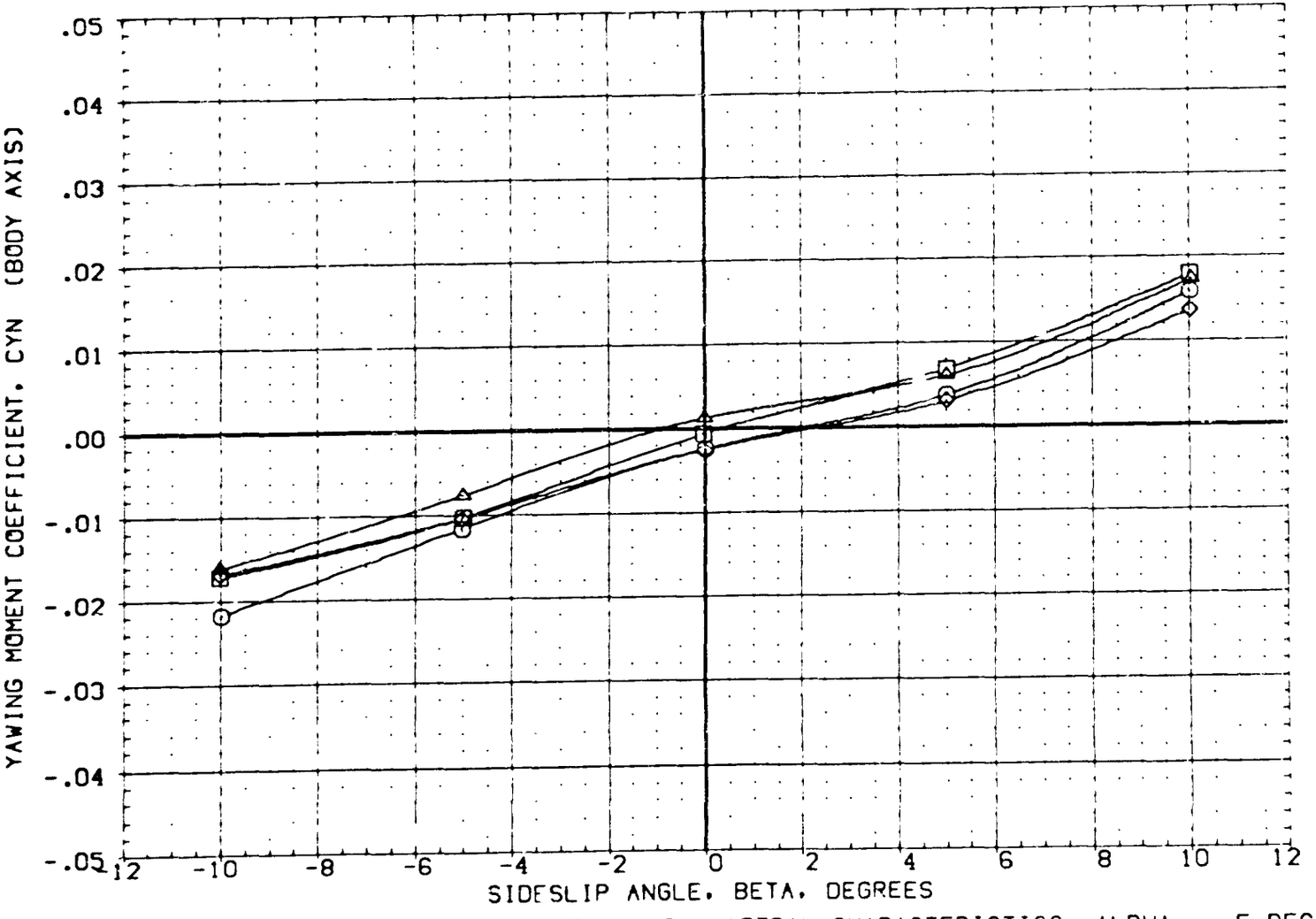



FIG 28 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 5 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX003) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDXC28) | ⊠ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (RDX033) | ⊗ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (RDX162) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

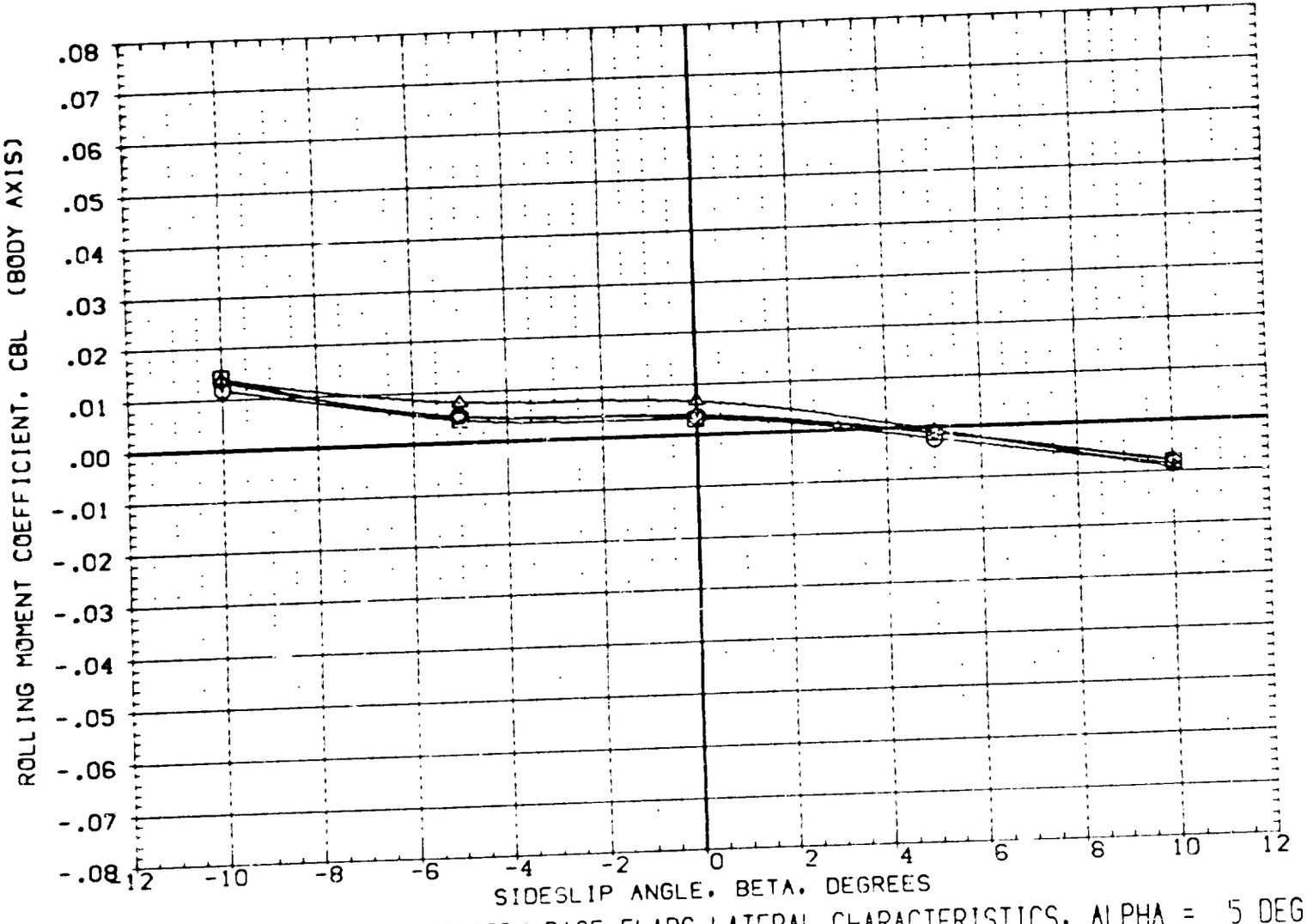



FIG 28 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 5 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDx004) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDx029) | ◇ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (RDx034) | ⊠ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (RDx163) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

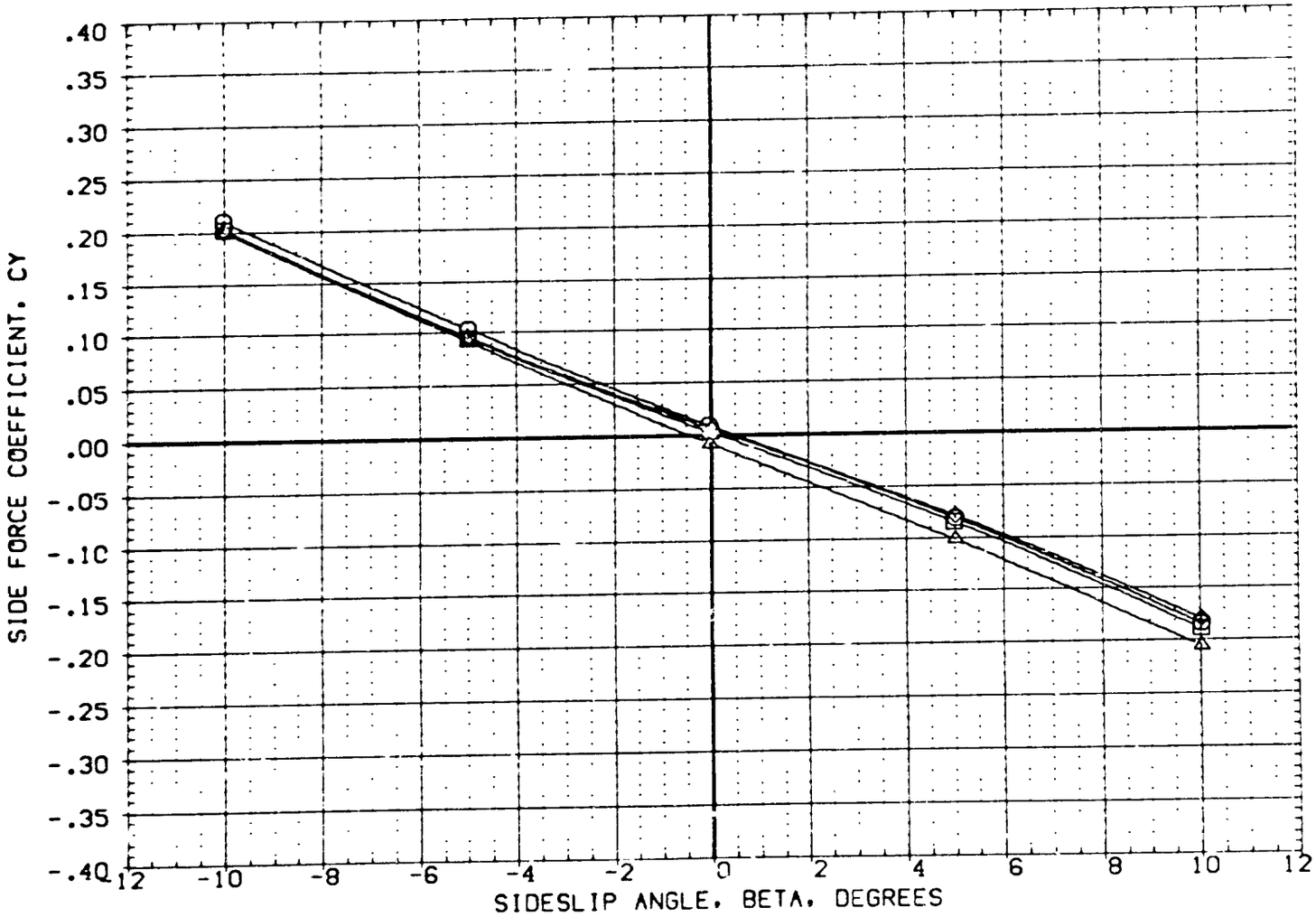



FIG 29 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 10 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX004) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCX029) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (RCX034) | ◇ | 0A86 | 933C9 | M7F8 | W116E26V8R5X9 |
| (RCX163) | △ | 0A86 | 847C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

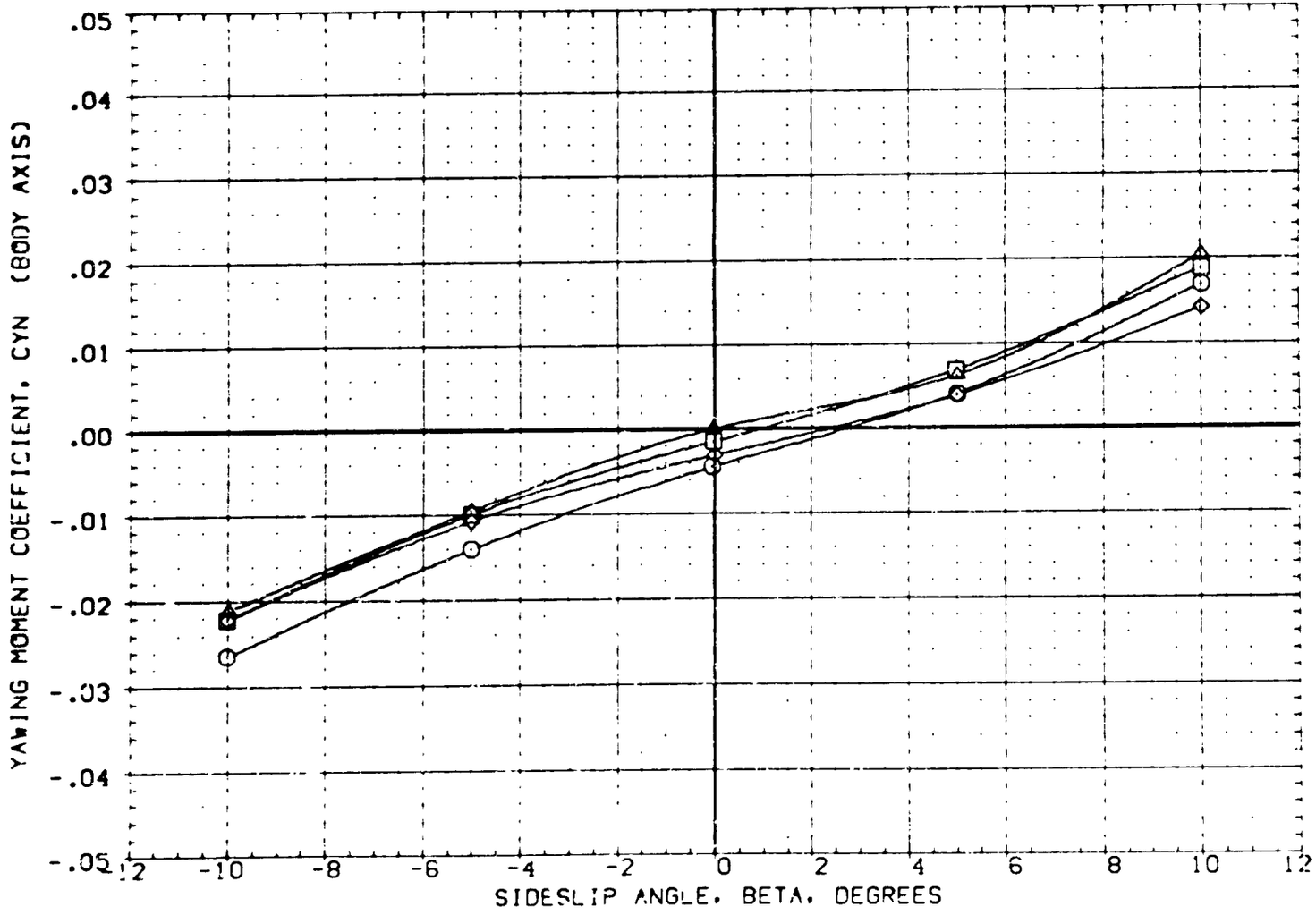



FIG 29 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 10 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX004) | ○ | OAB6 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX026) | ☒ | OAB6 | B32C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX034) | ⊠ | OAB6 | B33C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX.63) | △ | OAB6 | B47C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

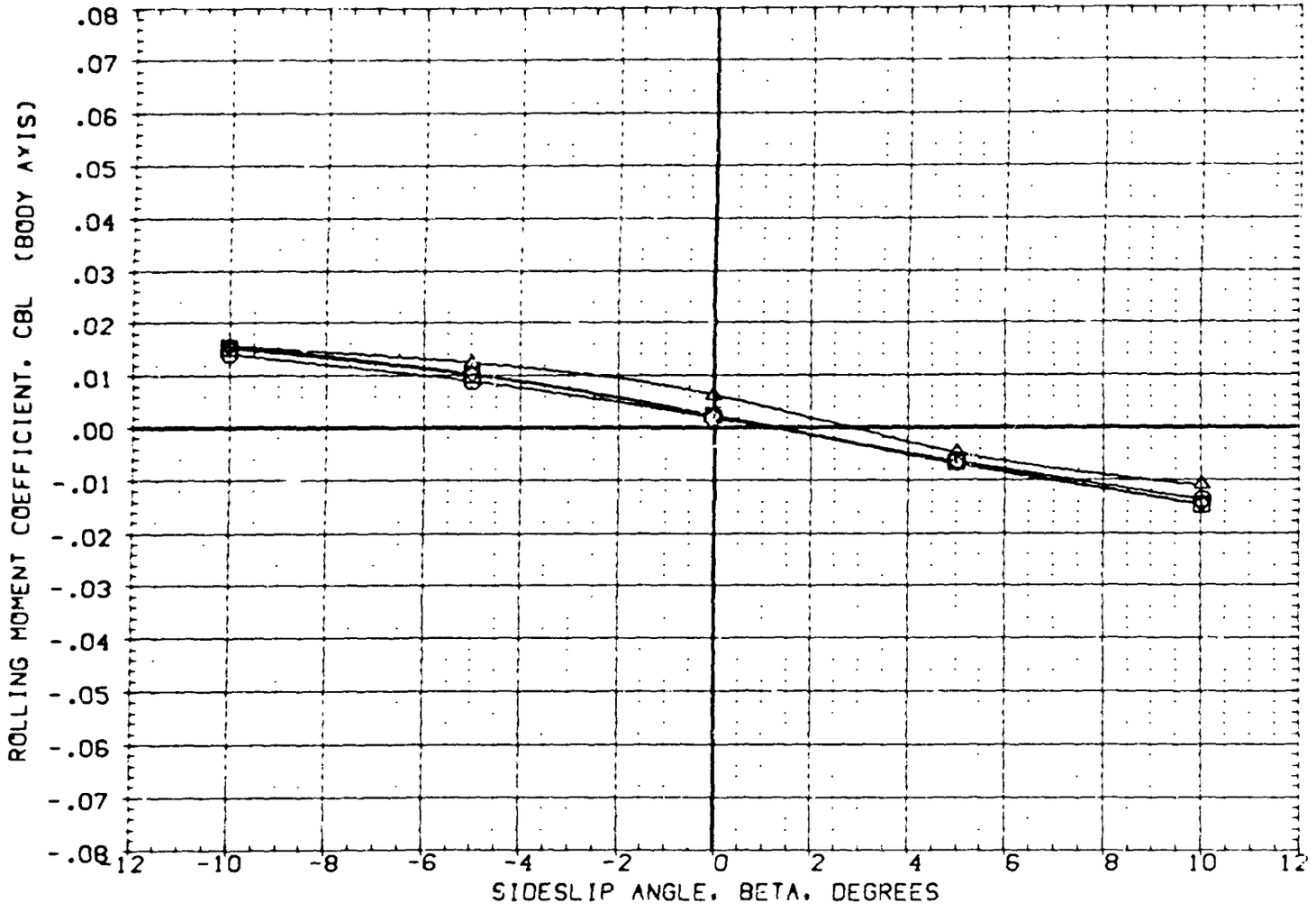



FIG 29 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 10 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX005) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |
| (RDX030) | ◇ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |
| (RDX035) | ⊠ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |
| (RDX164) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

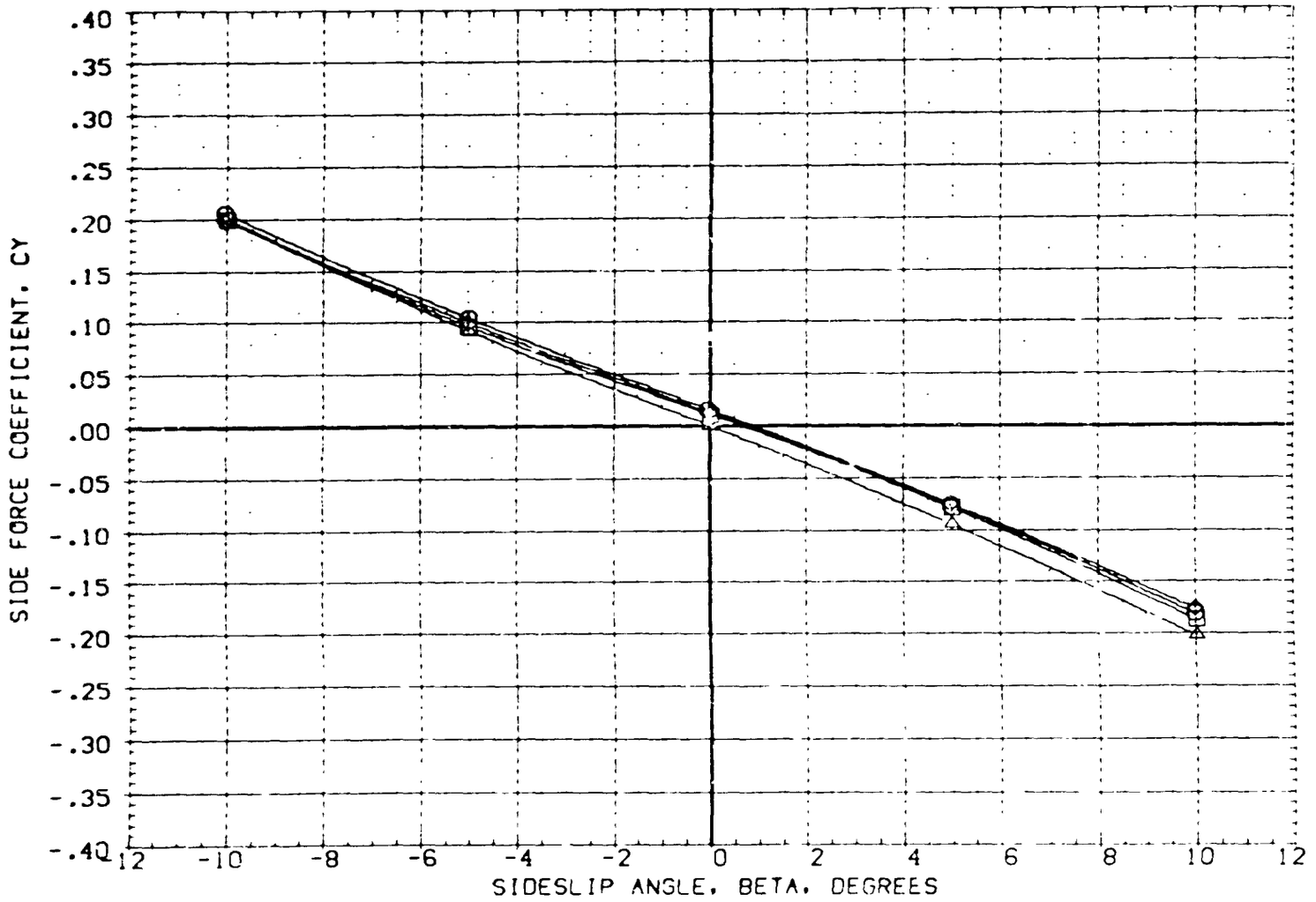



FIG 30 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 5 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX005) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX030) | □ | 0A86 | B32C9 | M7F8 | W116E26V8R5X9 |
| (ROX035) | ◇ | 0A86 | B33C9 | M7F8 | W116E26V8R5X9 |
| (ROX164) | △ | 0A86 | B47C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

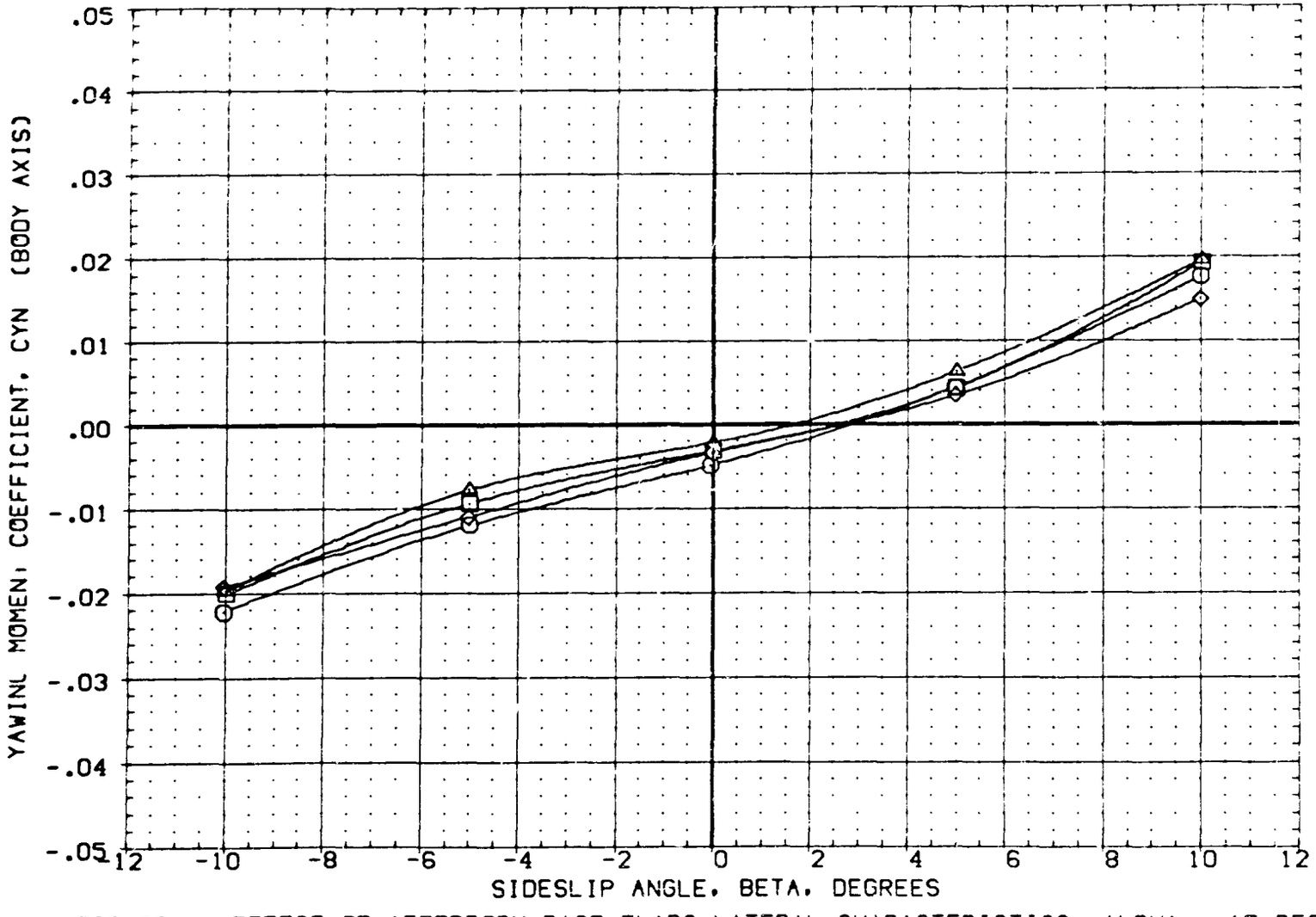



FIG 30 EFFECT OF AFTERBODY BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 15 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX005) | ○ | OAB6 | B50C9 | M7F8 | W11GE26V8R5X9 |
| (ROX030) | □ | OAB6 | B32C9 | M7F8 | W11GE26V8R5X9 |
| (ROX035) | ◇ | OAB6 | B33C9 | M7F8 | W11GE26V8R5X9 |
| (ROX164) | △ | OAB6 | B47C9 | M7F8 | W11GE26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040S | SCALE |

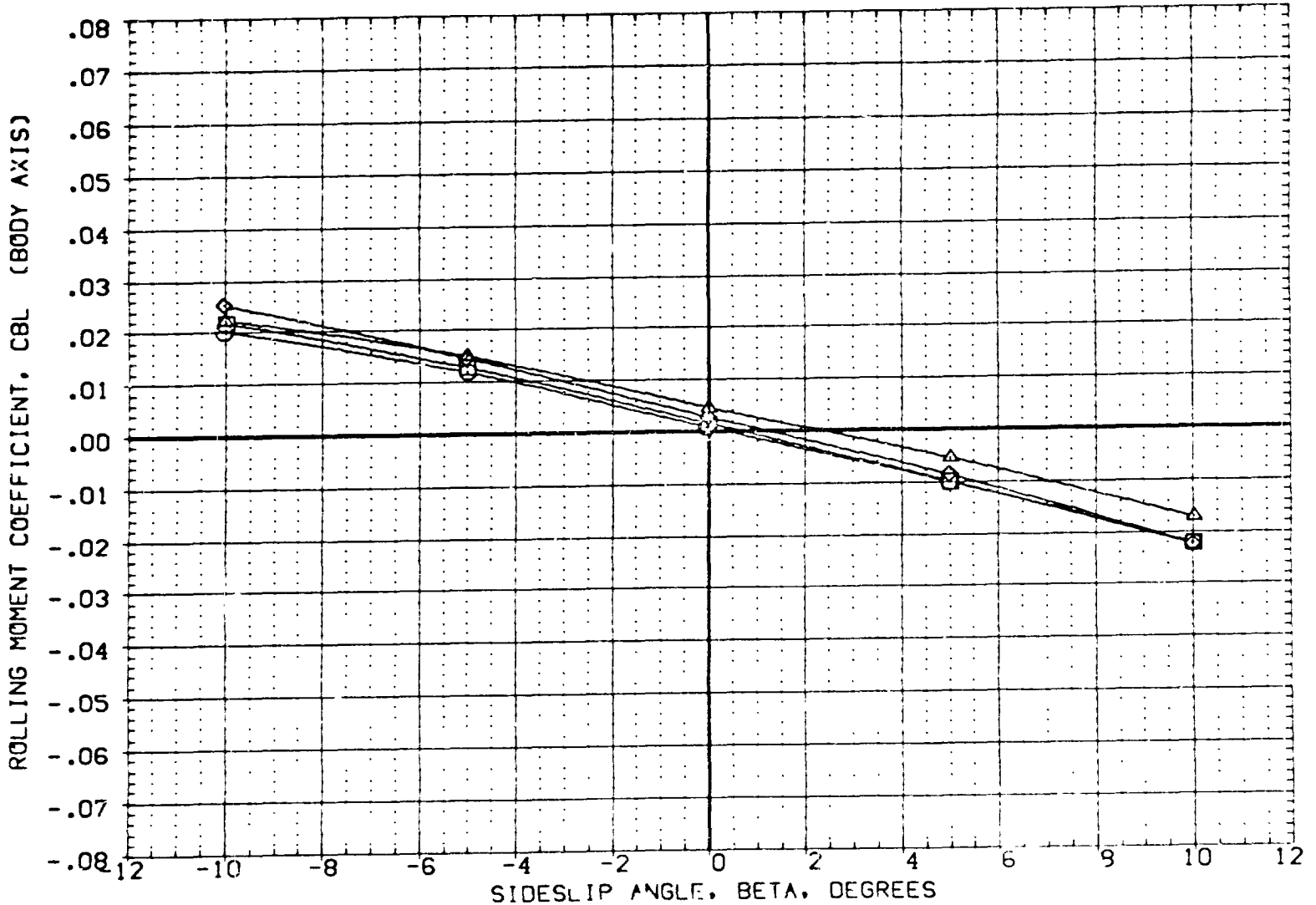



FIG 30 EFFECT OF AFTERBOD' BASE FLAPS LATERAL CHARACTERISTICS, ALPHA = 15 DEG

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|---|
| (ADX001) | □ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 | |
| (ADX108) | ◇ | 0A86 | B50C9 | F8 | W1I6E26V8R5X9 | |
| (ADX113) | ▽ | 0A86 | B50C9 | M10F8 | W1I6E26V8R5X9 | |
| (ADX118) | △ | 0A86 | B50C9 | M11F8 | W1I6E26V8R5X9 | |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9677 | INCHES |
| XMRP | 43.0974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1885 | INCHES |
| SCALE | .0400 | SCALE |

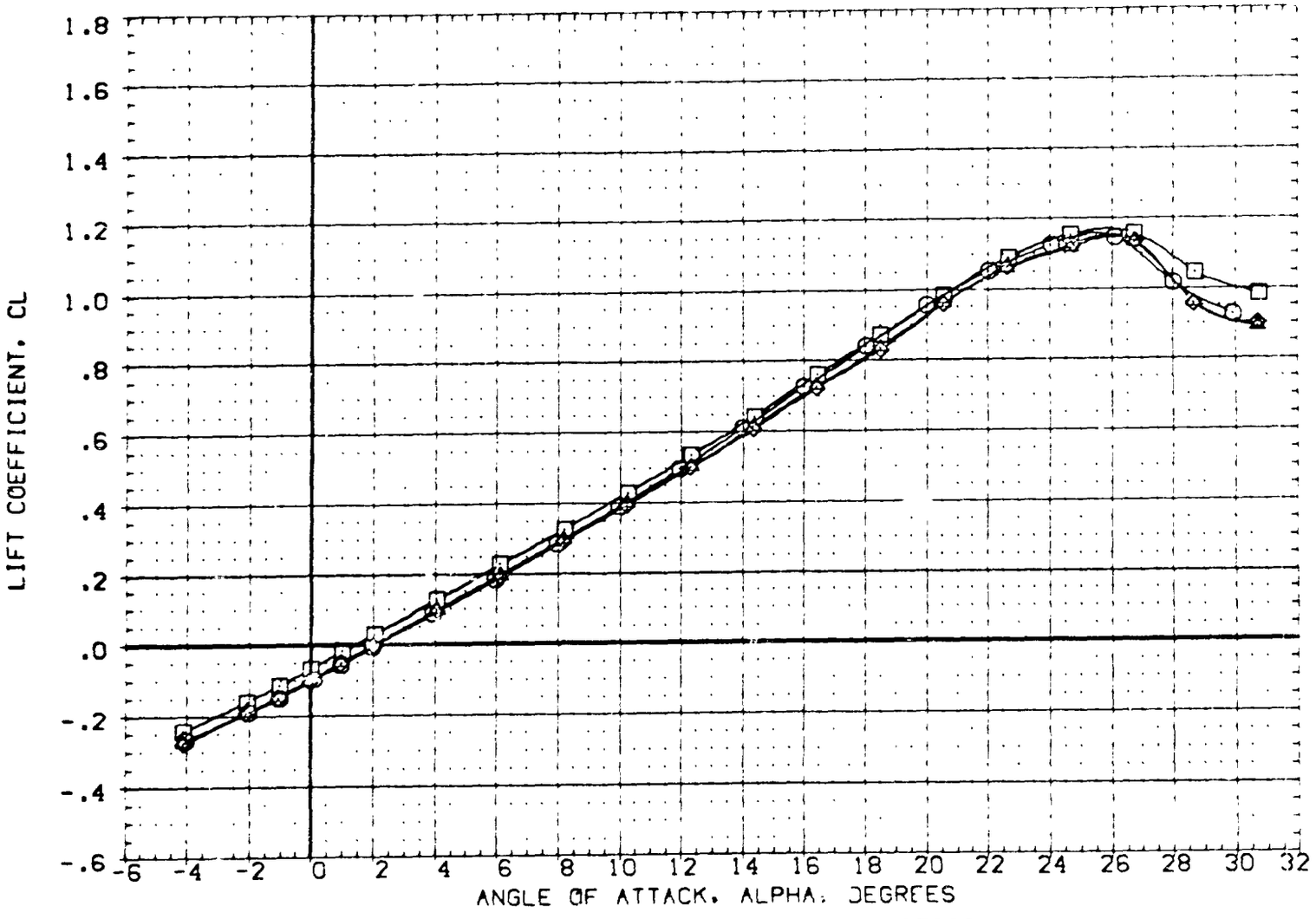



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | DA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX108) | □ | DA86 | B50C9 | F8 | W116E26V8R5X9 |
| (ADX113) | ◇ | DA86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (ADX118) | △ | DA86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

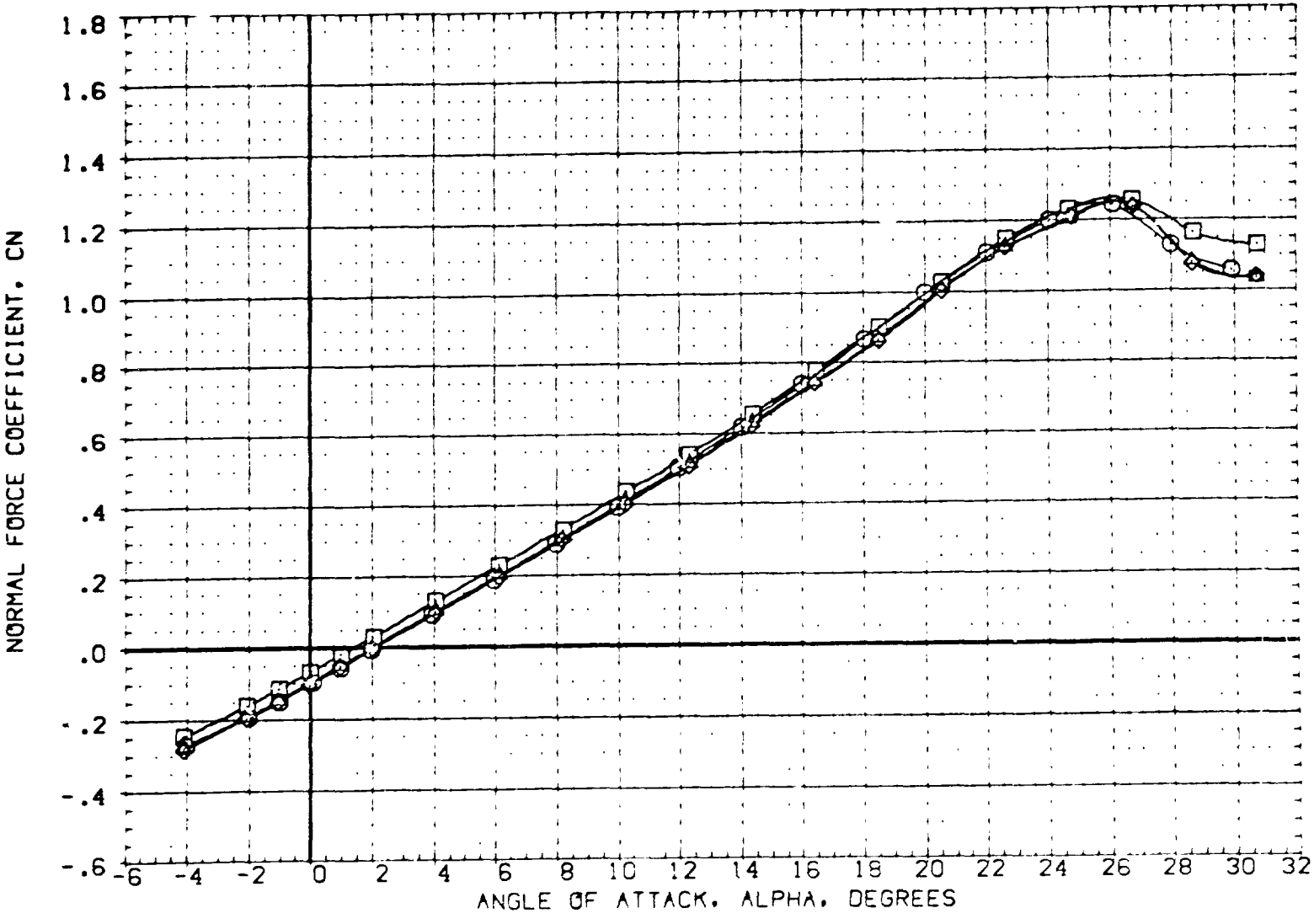



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX00) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX08) | ◇ | CA86 | B50C9 | F8 | W116E26V8R5X9 |
| (ADX13) | ◇ | CA86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (ADX18) | △ | CA86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5914 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

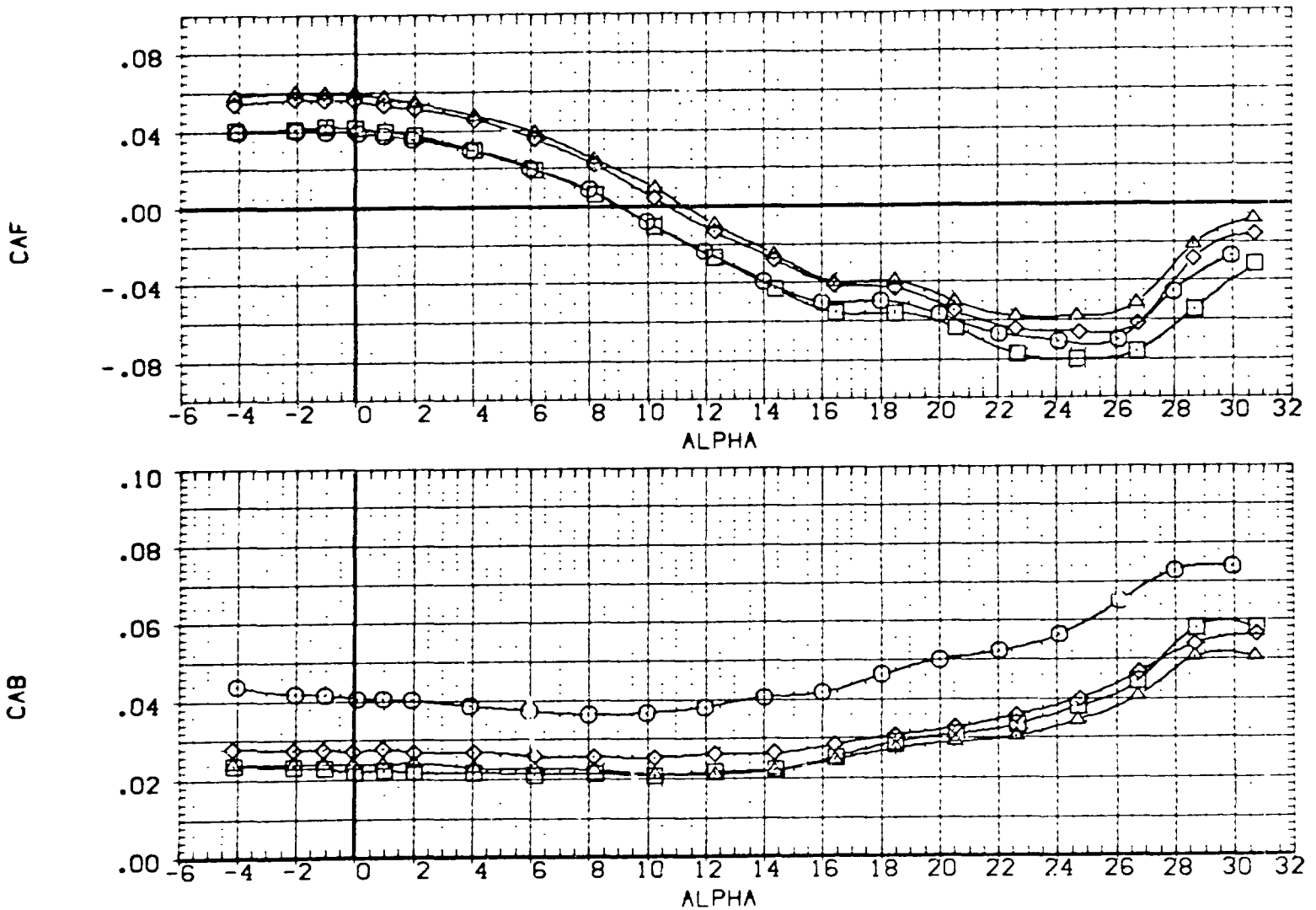



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B50C9 | M7F8 | W:16E26V8R5X9 |
| (ADX108) | □ | 0A86 | B50C9 | F8 | W:16E26V8R5X9 |
| (ADX113) | ◇ | 0A86 | B50C9 | M10F8 | W:16E26V8R5X9 |
| (ADX118) | △ | 0A86 | B50C9 | M11F8 | W:16E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967. | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

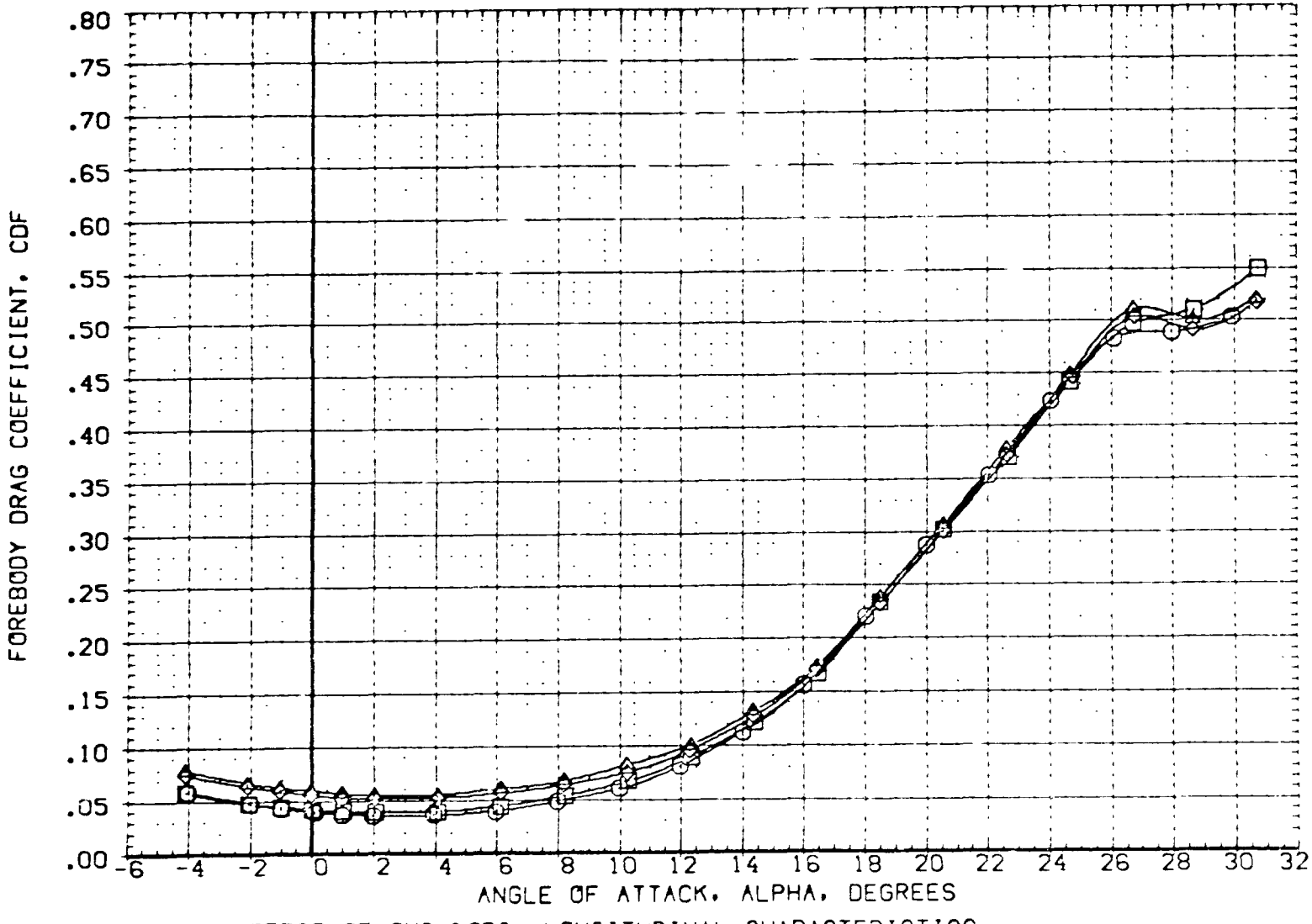



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | □ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX108) | ◇ | OA86 | B50C9 | F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX113) | ○ | OA86 | B50C9 | M10F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX118) | △ | OA86 | B50C9 | M11F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 1.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1375 | INCHES |
| SCALE | .0400 | SCALE |

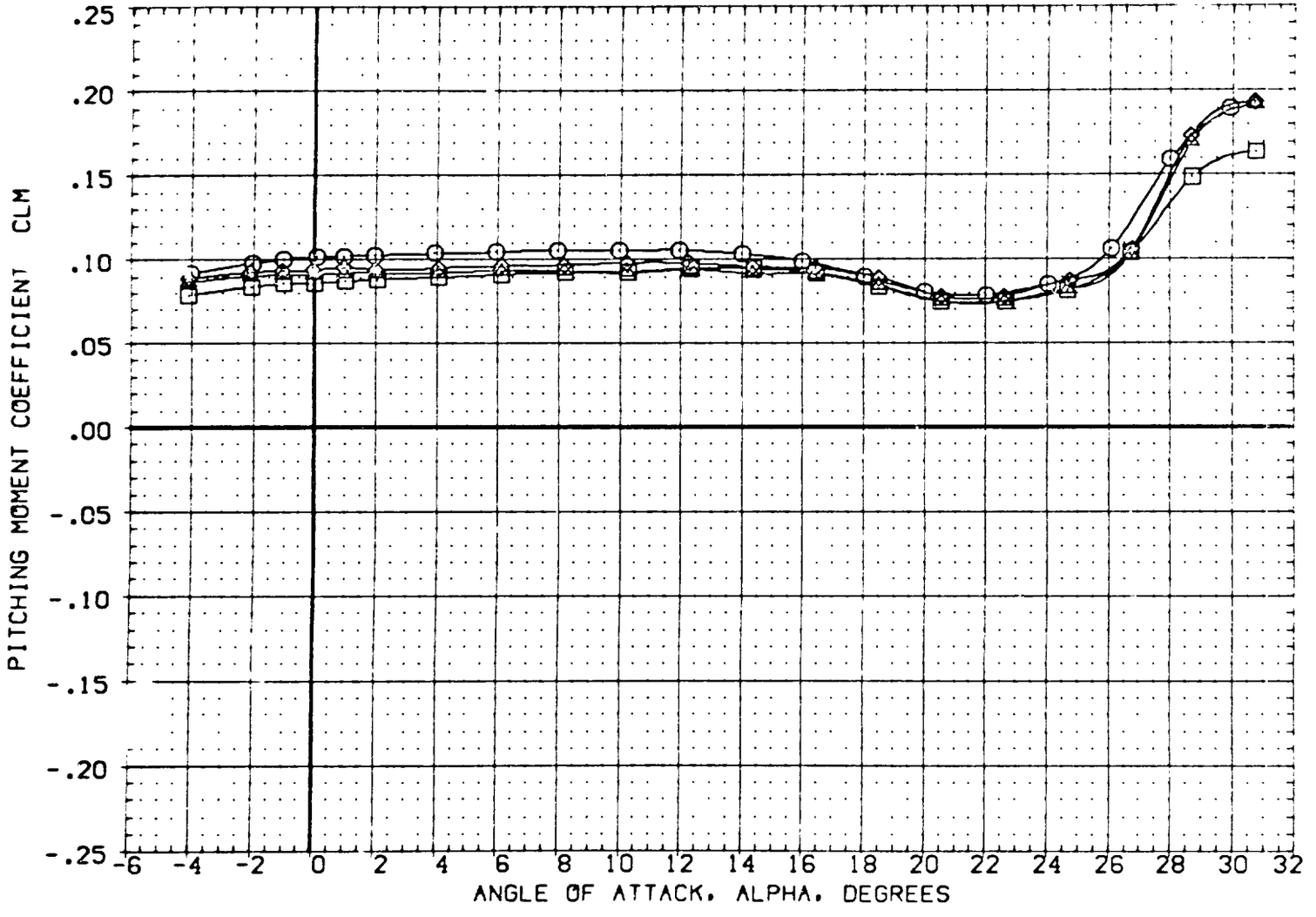



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | □ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX108) | □ | OA86 | B50C9 | F8 | W116E26V8R5X9 |
| (ADX113) | ◇ | OA86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (ADX118) | △ | OA86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

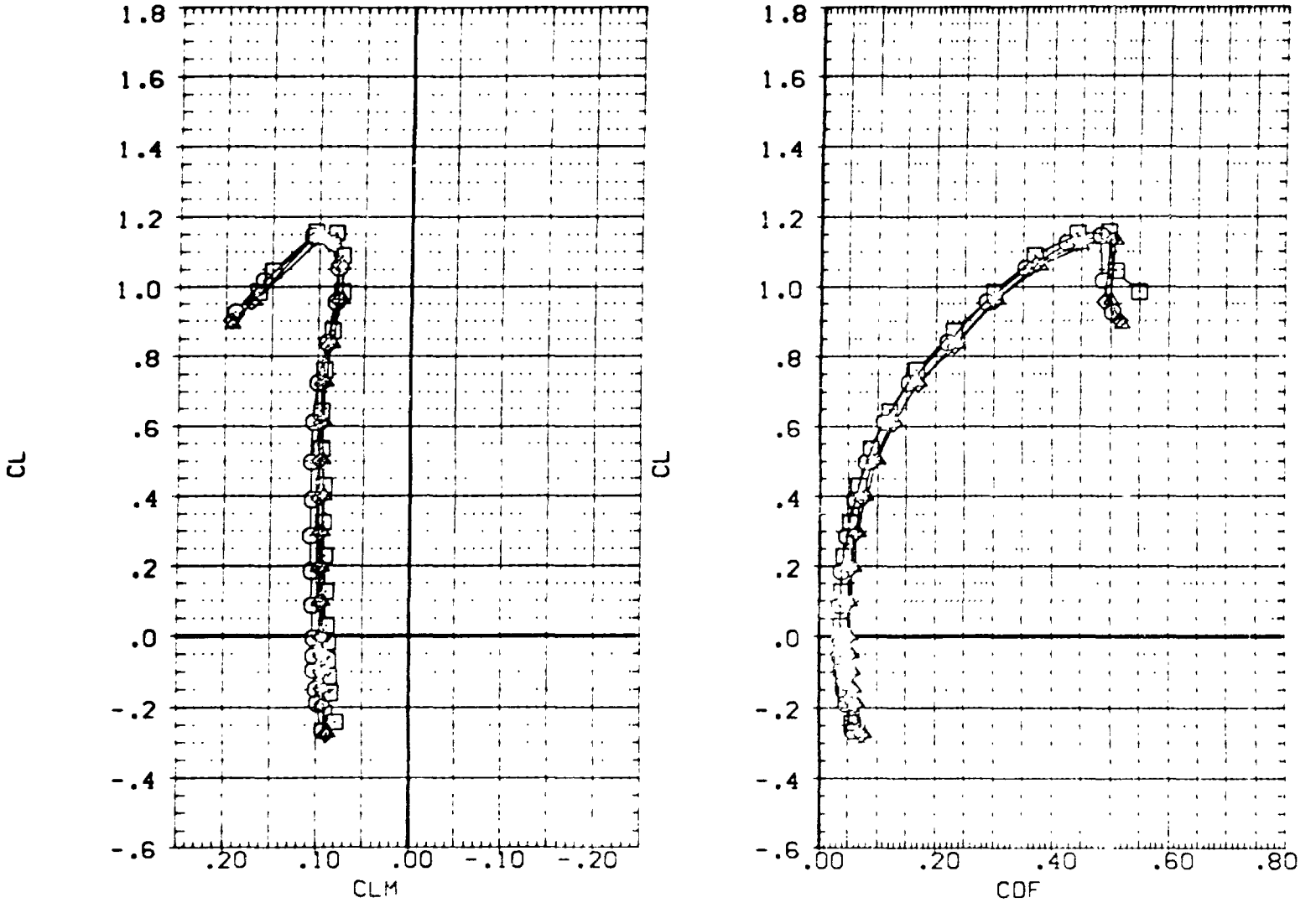



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

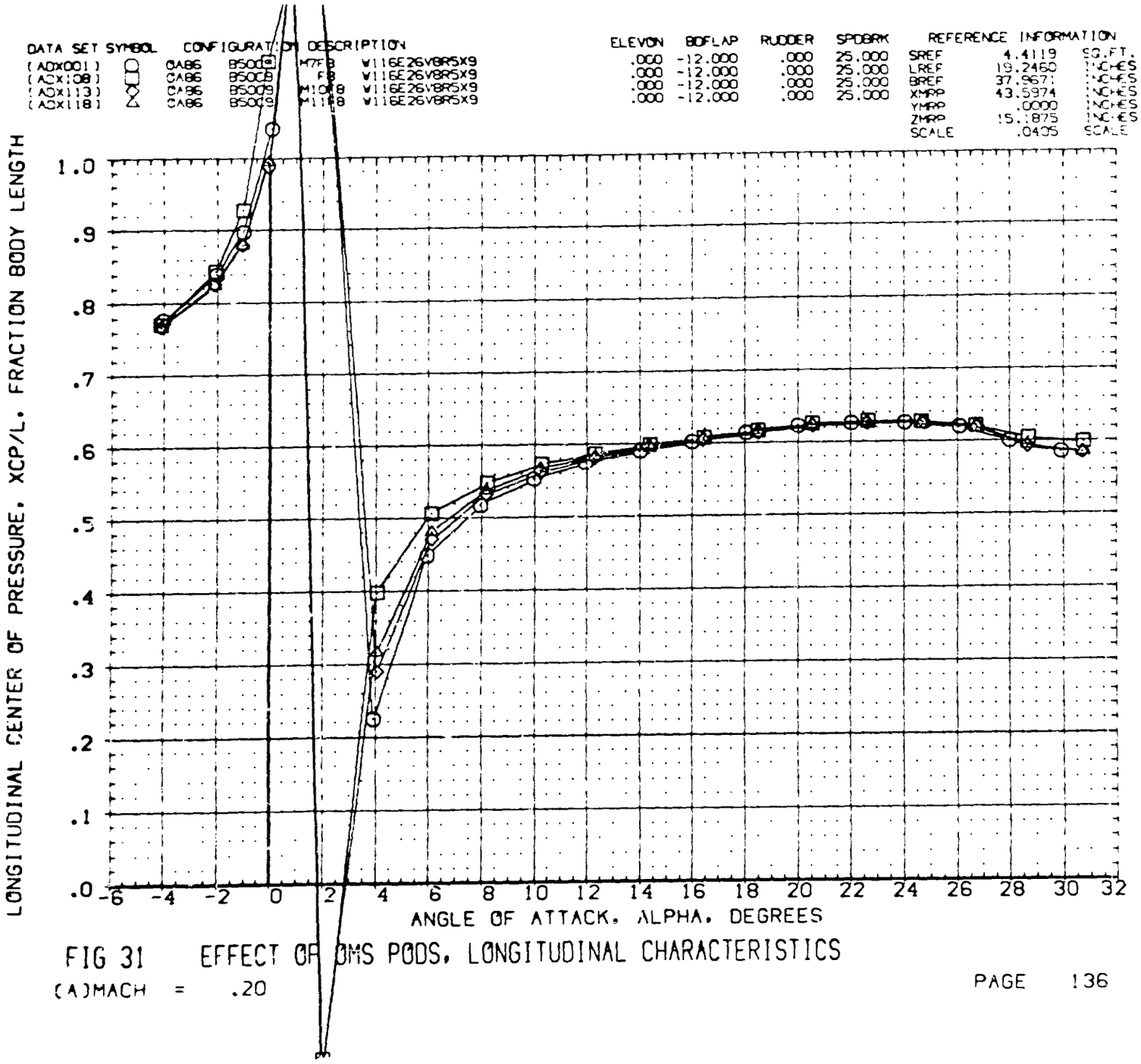



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | □ | CA86 | 850C9 | M7F8 | W116E26V8R5X9 | | .000 | -12.000 | .000 | 25.000 |
| (ADX108) | □ | CA86 | 850C9 | F8 | W116E26V8R5X9 | | .000 | -12.000 | .000 | 25.000 |
| (ADX113) | ◇ | CA86 | 850C9 | M10F8 | W116E26V8R5X9 | | .000 | -12.000 | .000 | 25.000 |
| (ADX118) | △ | CA86 | 850C9 | M11F8 | W116E26V8R5X9 | | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

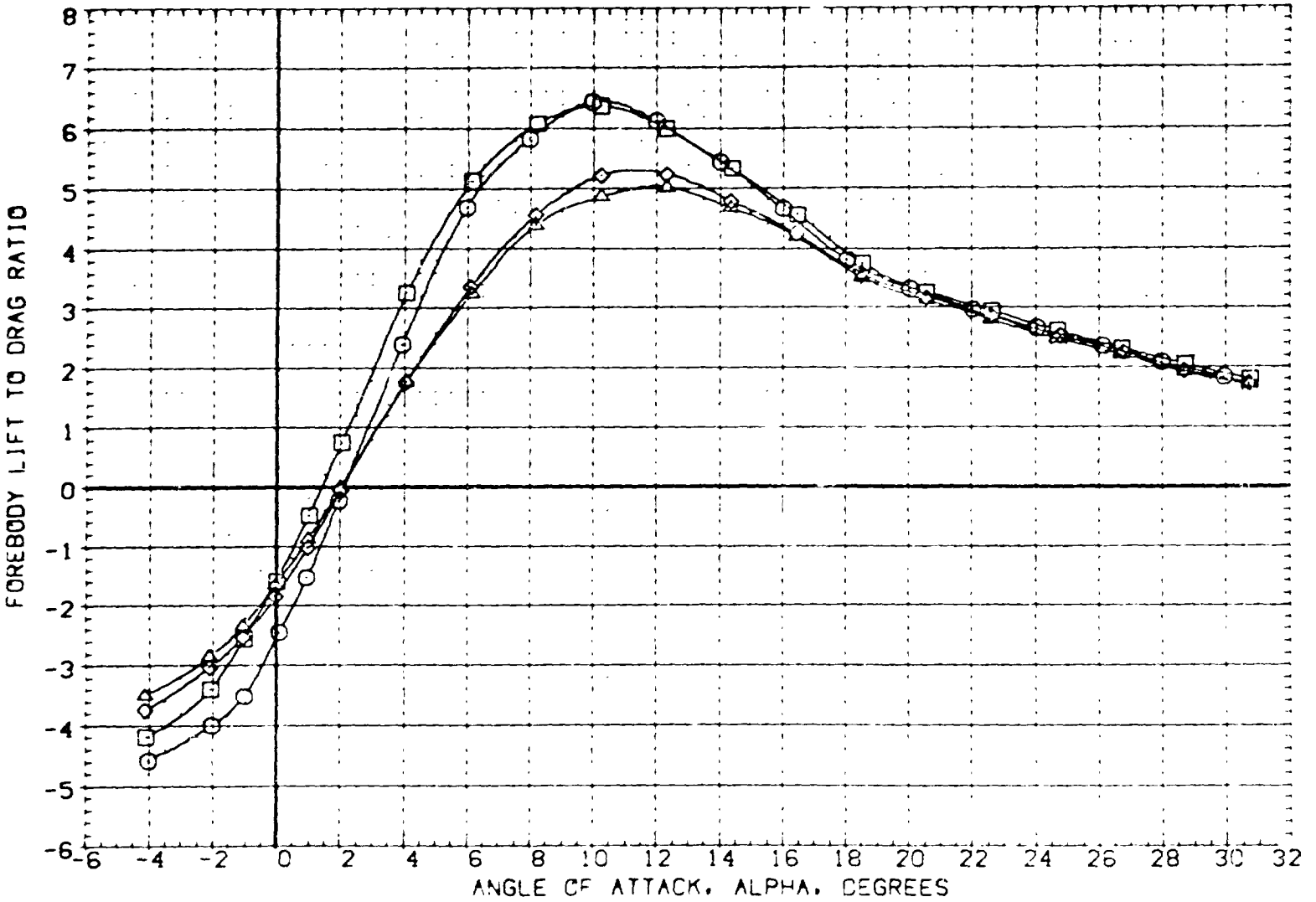



FIG 31 EFFECT OF OMS PODS, LONGITUDINAL CHARACTERISTICS

(ADMACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX002) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCX109) | ◇ | CA86 | B50C9 | F8 | W116E26V8R5X9 |
| (RCX114) | ⊠ | CA86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (RCX119) | △ | CA96 | B50C9 | M11F8 | W116E26V8P5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

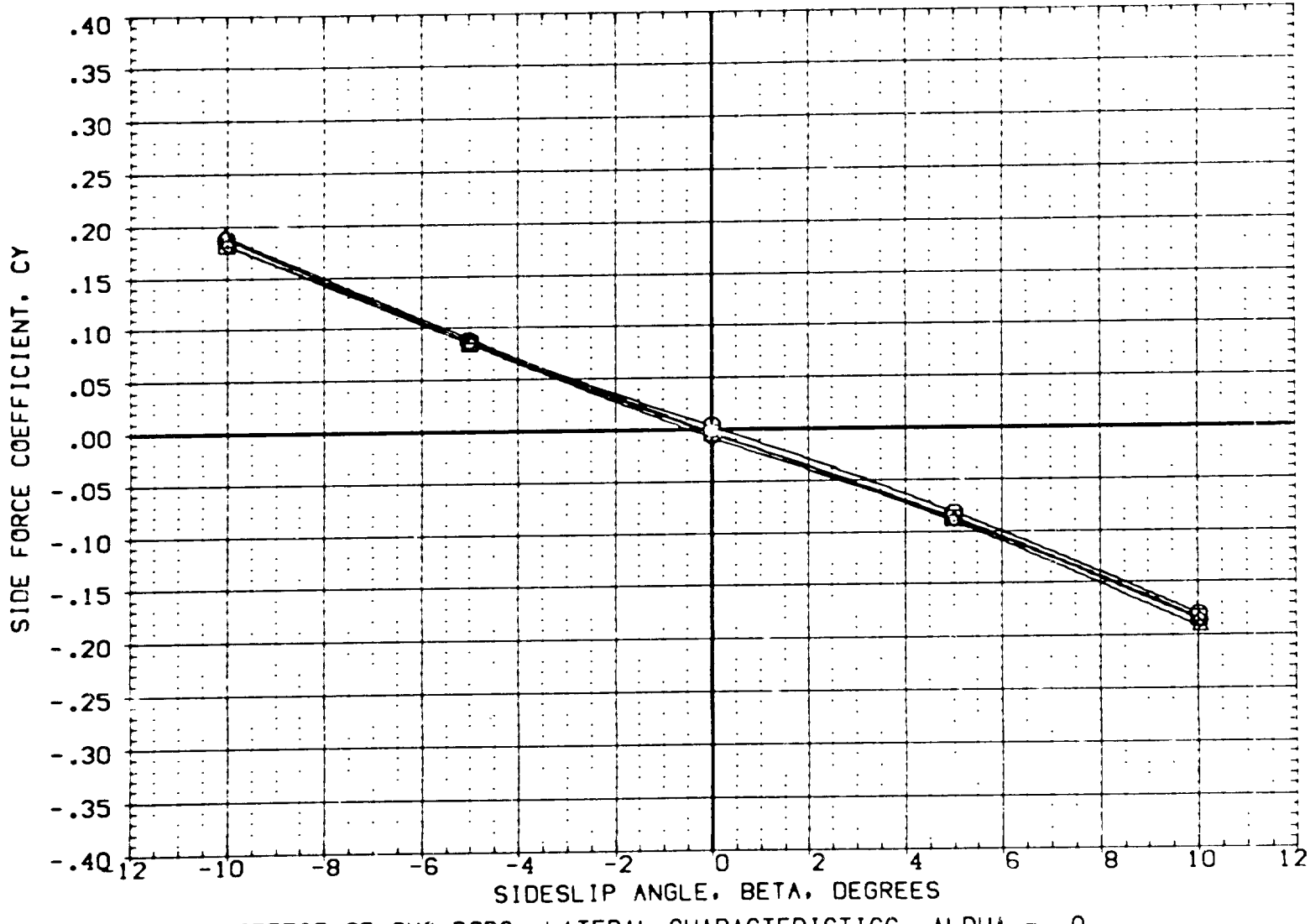



FIG 32 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX002) | □ | OAB6 | B50C9 | M7F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX109) | ◇ | OAB6 | B50C9 | F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX114) | ⊠ | OAB6 | B50C9 | M10F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ROX119) | △ | OAB6 | B50C9 | M11F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

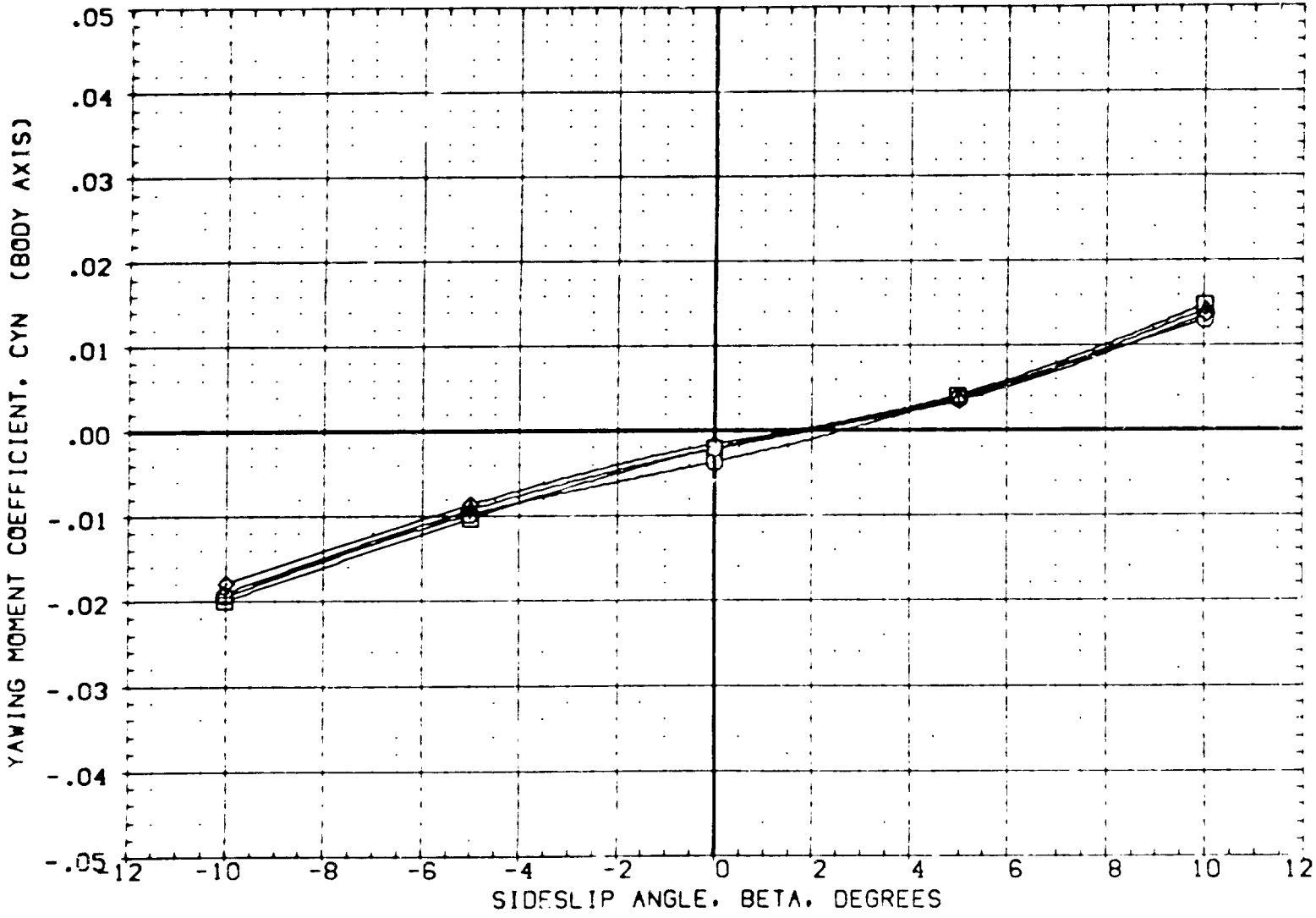



FIG 32 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

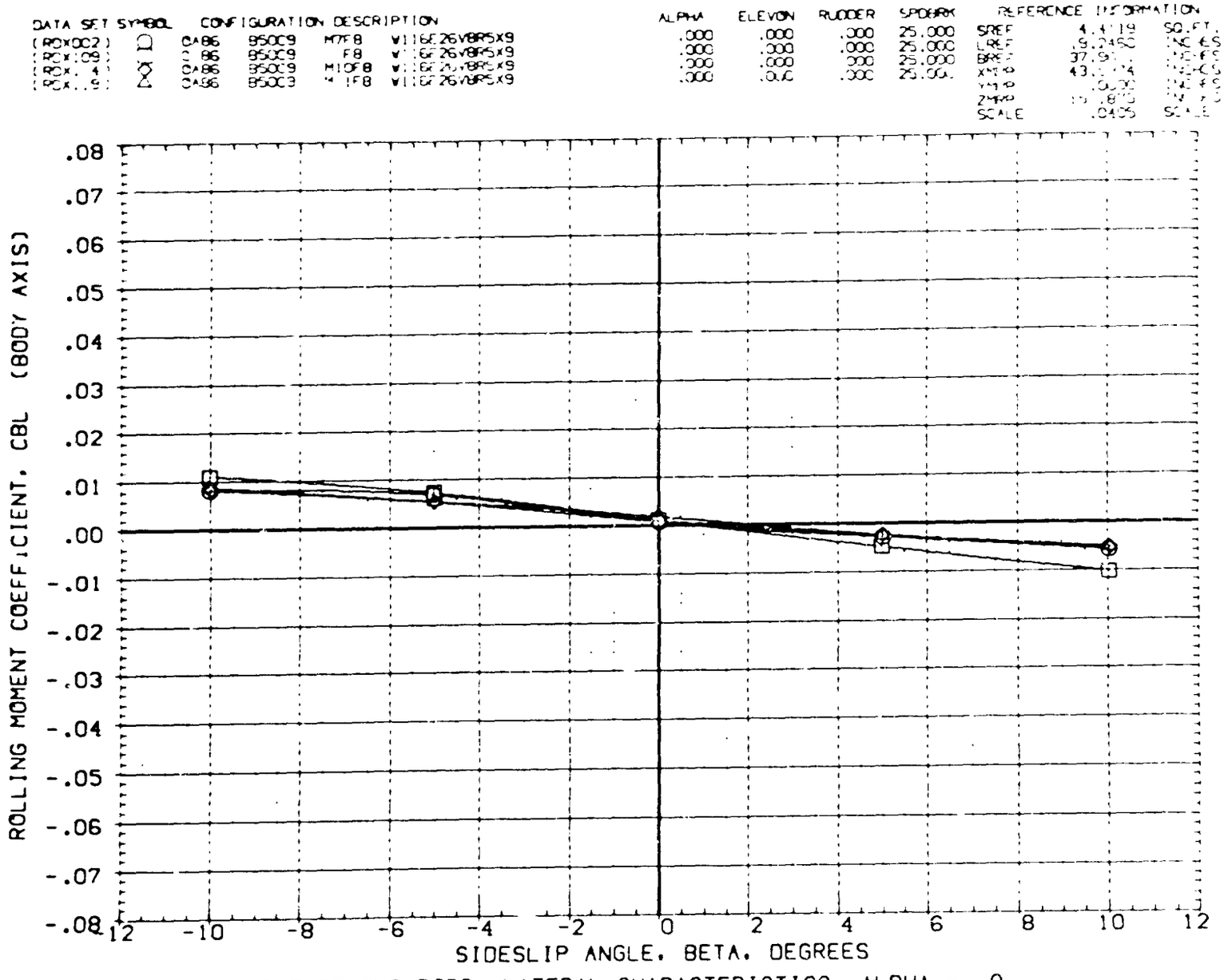



FIG 32 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX003) | ○ | OA86 | B50C9 | M7F8 | W11GE26V8R5X9 |
| (RDX110) | □ | OA86 | B50C9 | F8 | W11GE26V8R5X9 |
| (RCX115) | ◇ | OA86 | B50C9 | M10F8 | W11GE26V8R5X9 |
| (RCX120) | △ | OA86 | B50C9 | M11F8 | W11GE26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

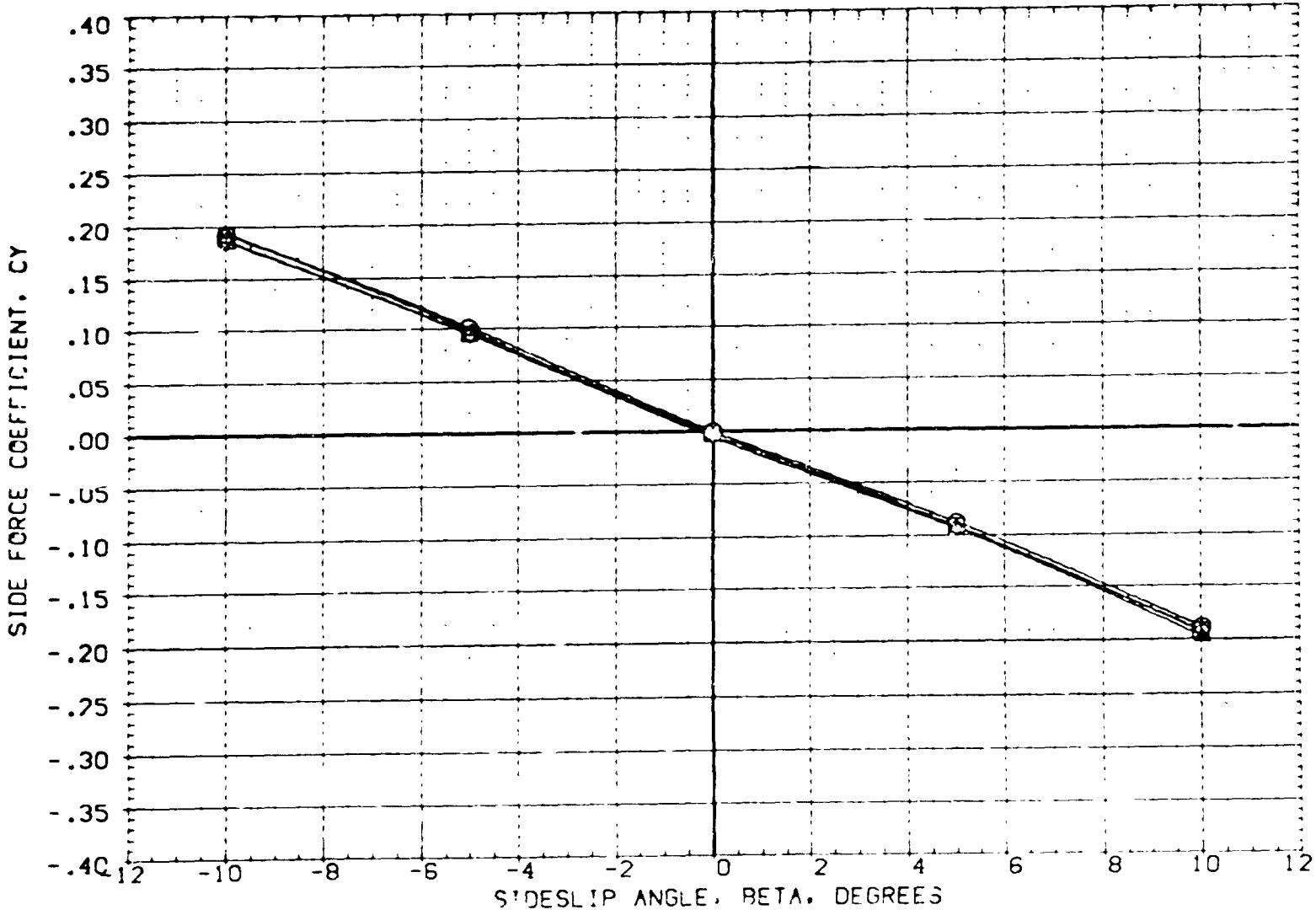



FIG 33 EFFECT OF OMS PODS LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX003) | □ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX110) | ⊠ | OA86 | B50C9 | F8 | W116E26V8R5X9 |
| (ROX115) | ⋈ | OA86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (ROX120) | △ | OA86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.5371 | INCHES |
| XMRP | 43.5074 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

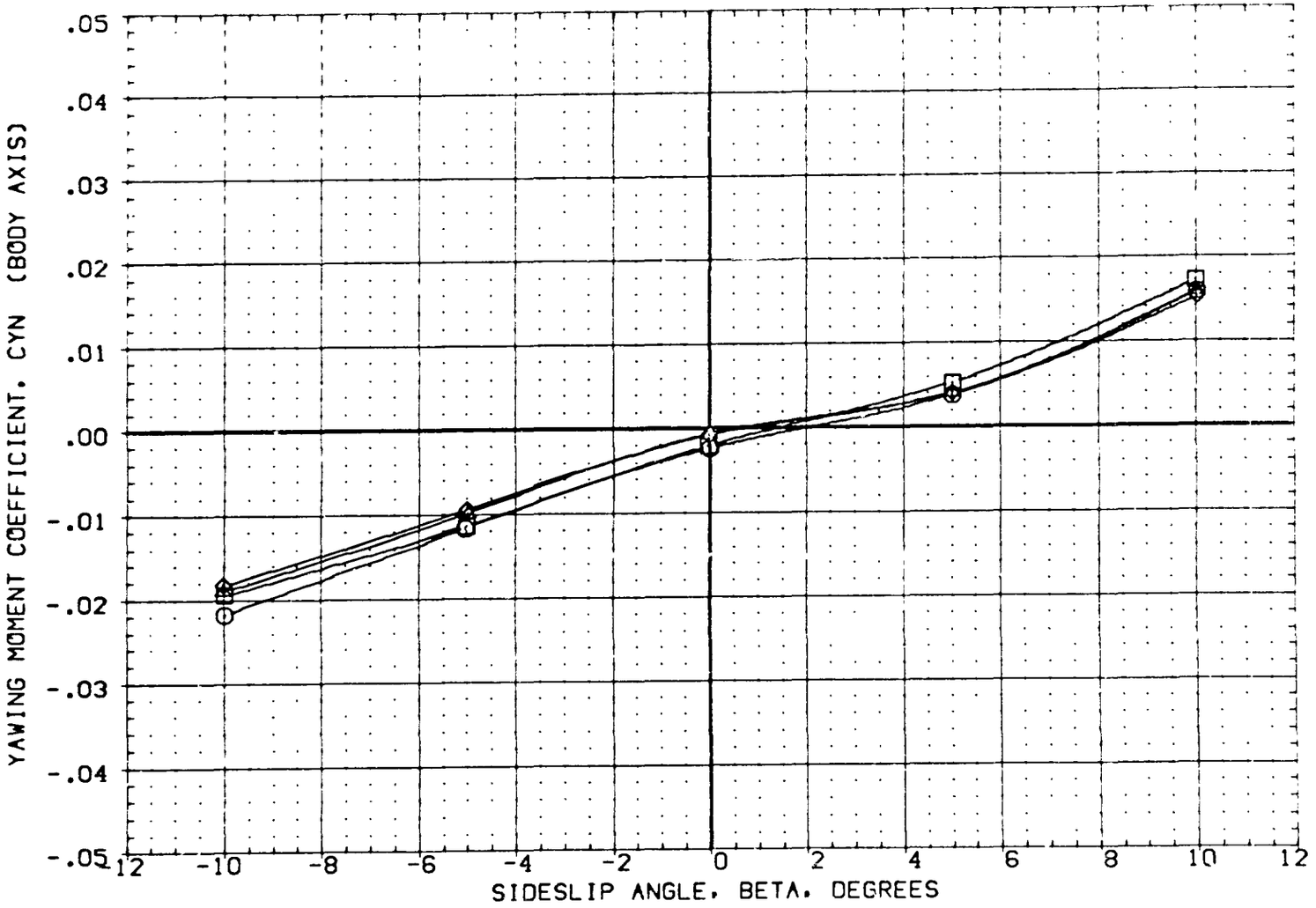



FIG 33 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX003) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX110) | □ | 0A86 | B50C9 | F8 | W116E26V8R5X9 |
| (ROX115) | ◇ | 0A86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (ROX120) | △ | 0A86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

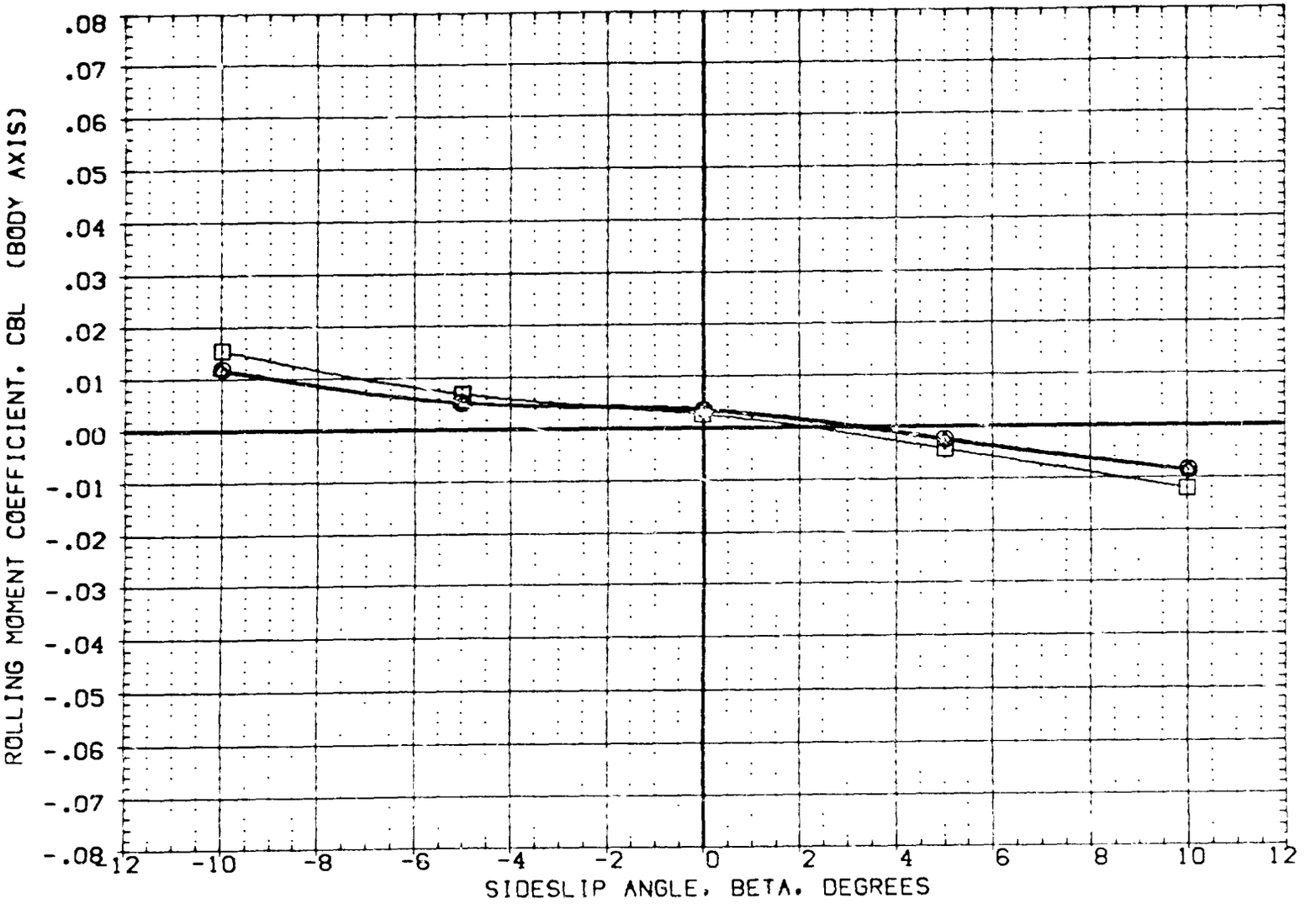



FIG 33 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX004) | □ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX111) | ◇ | OA86 | B50C9 | F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX116) | △ | OA86 | B50C9 | M10F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX121) | ⋈ | OA86 | B50C9 | M11F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

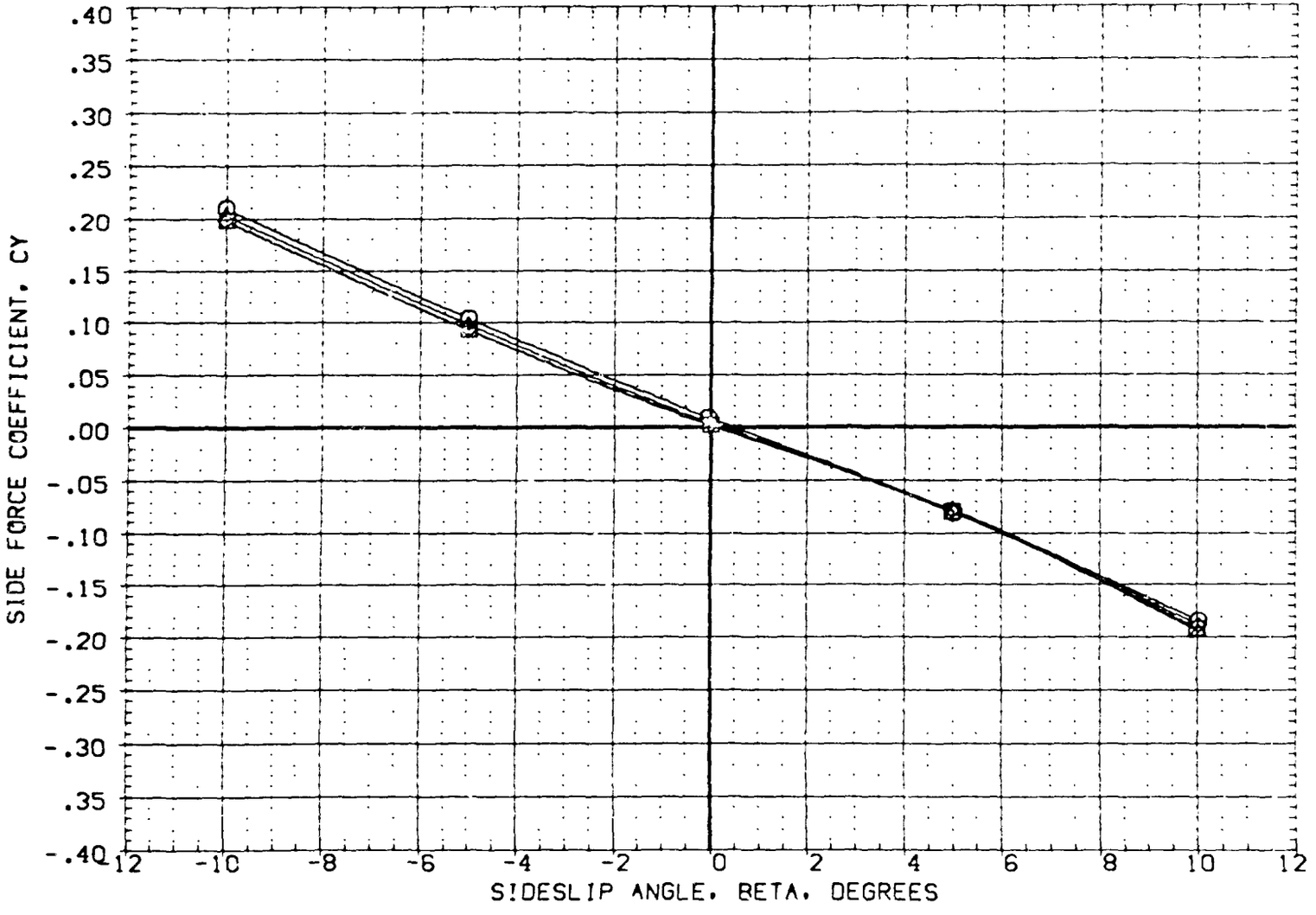



FIG 34 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX004) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX111) | □ | 0A86 | B50C9 | F8 | W116E26V8R5X9 |
| (ROX116) | ◇ | 0A86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (ROX121) | △ | 0A86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

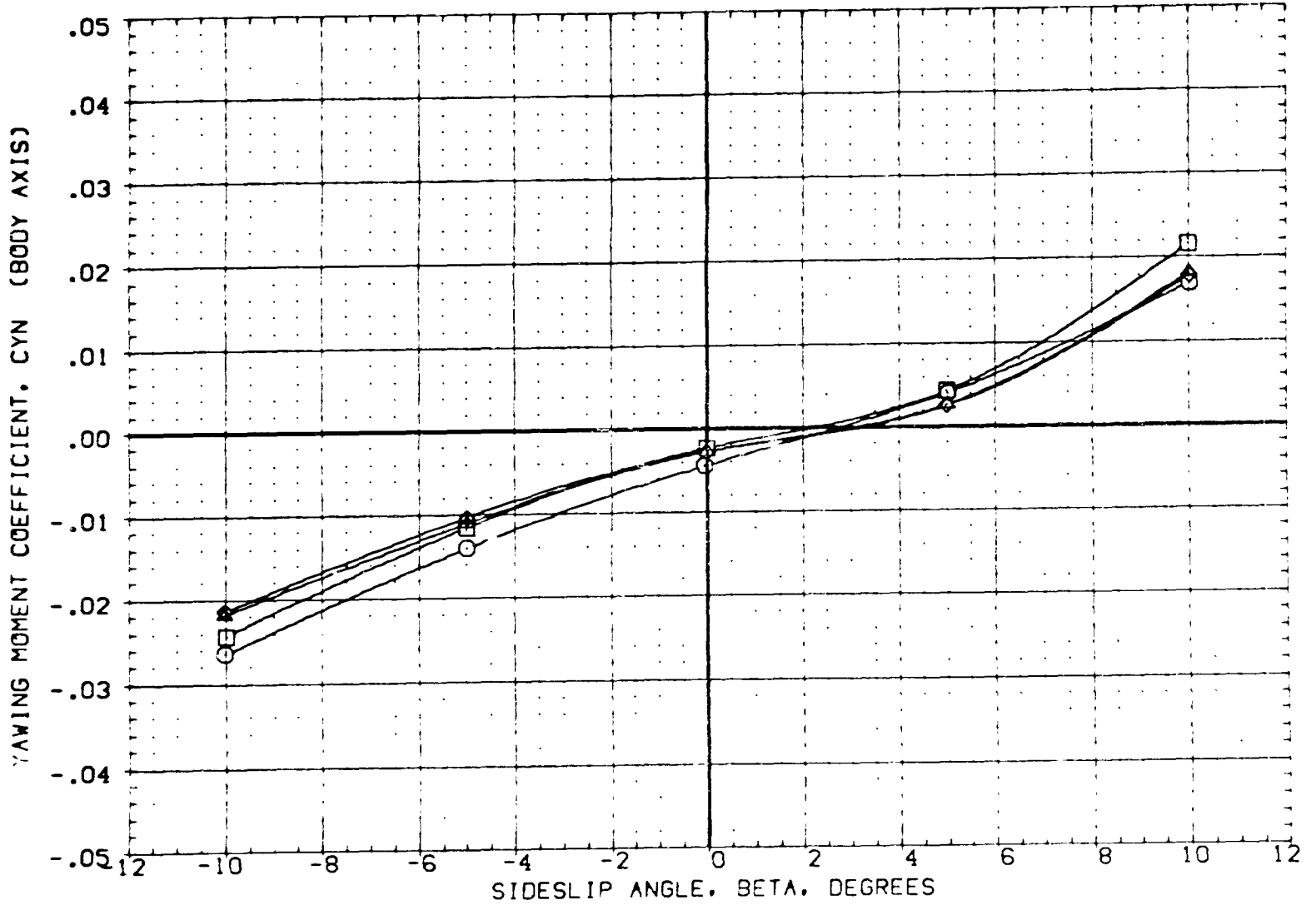



FIG 34 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX004) | □ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCX111) | ◇ | OA86 | B50C9 | F8 | W116E26V8R5X9 |
| (RCX116) | ⊠ | OA86 | B50C9 | M10F8 | W116E26V8R5X9 |
| (RCX121) | △ | OA86 | B50C9 | M11F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

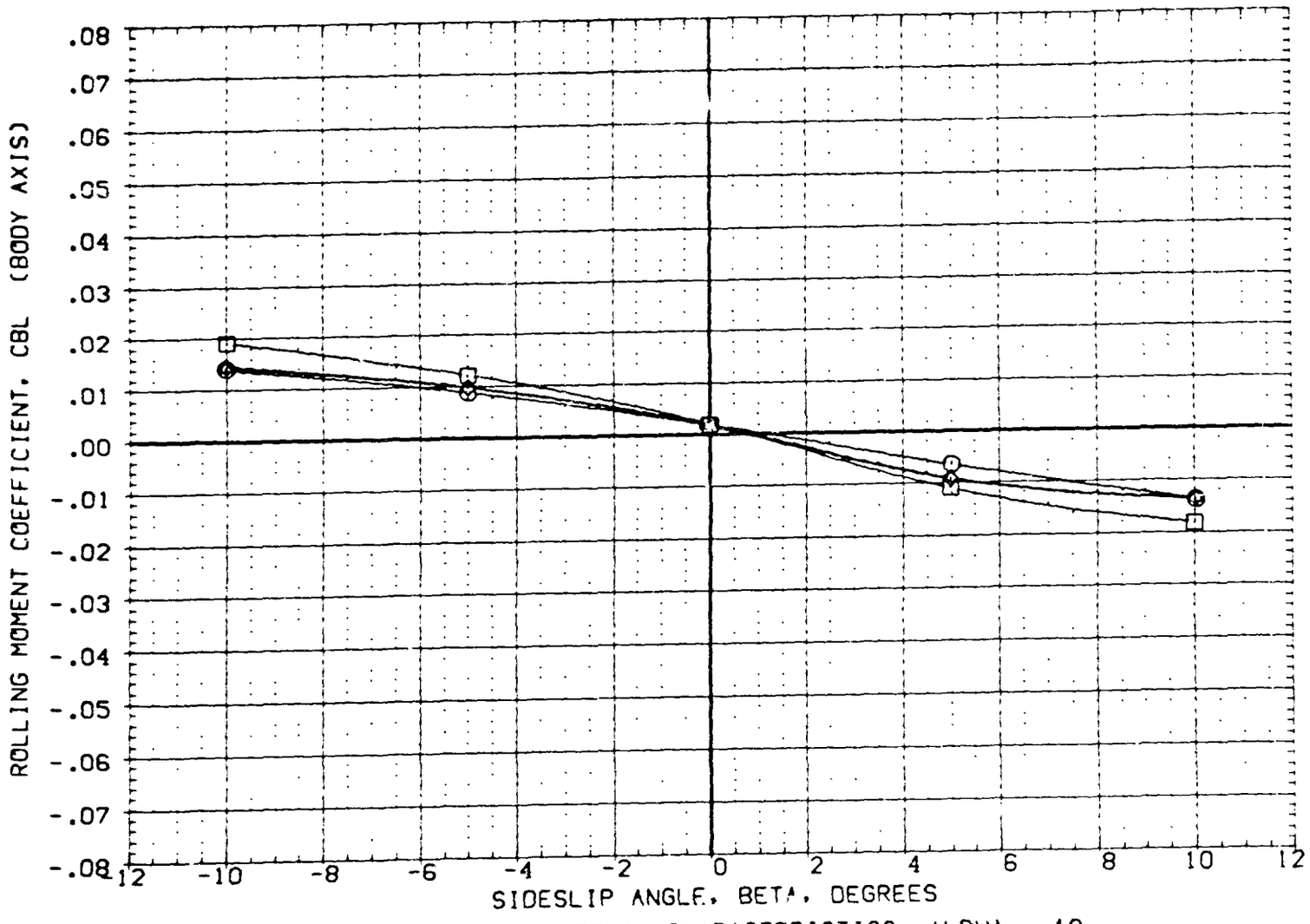



FIG 34 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (RDX005) | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | |
| (RDX112) | OA86 | B50C9 | F8 | W116E26V8R5X9 | |
| (RDX117) | OA86 | B50C9 | M10F8 | W116E26V8R5X9 | |
| (RDX122) | OA86 | B50C9 | M11F8 | W116E26V8R5X9 | |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

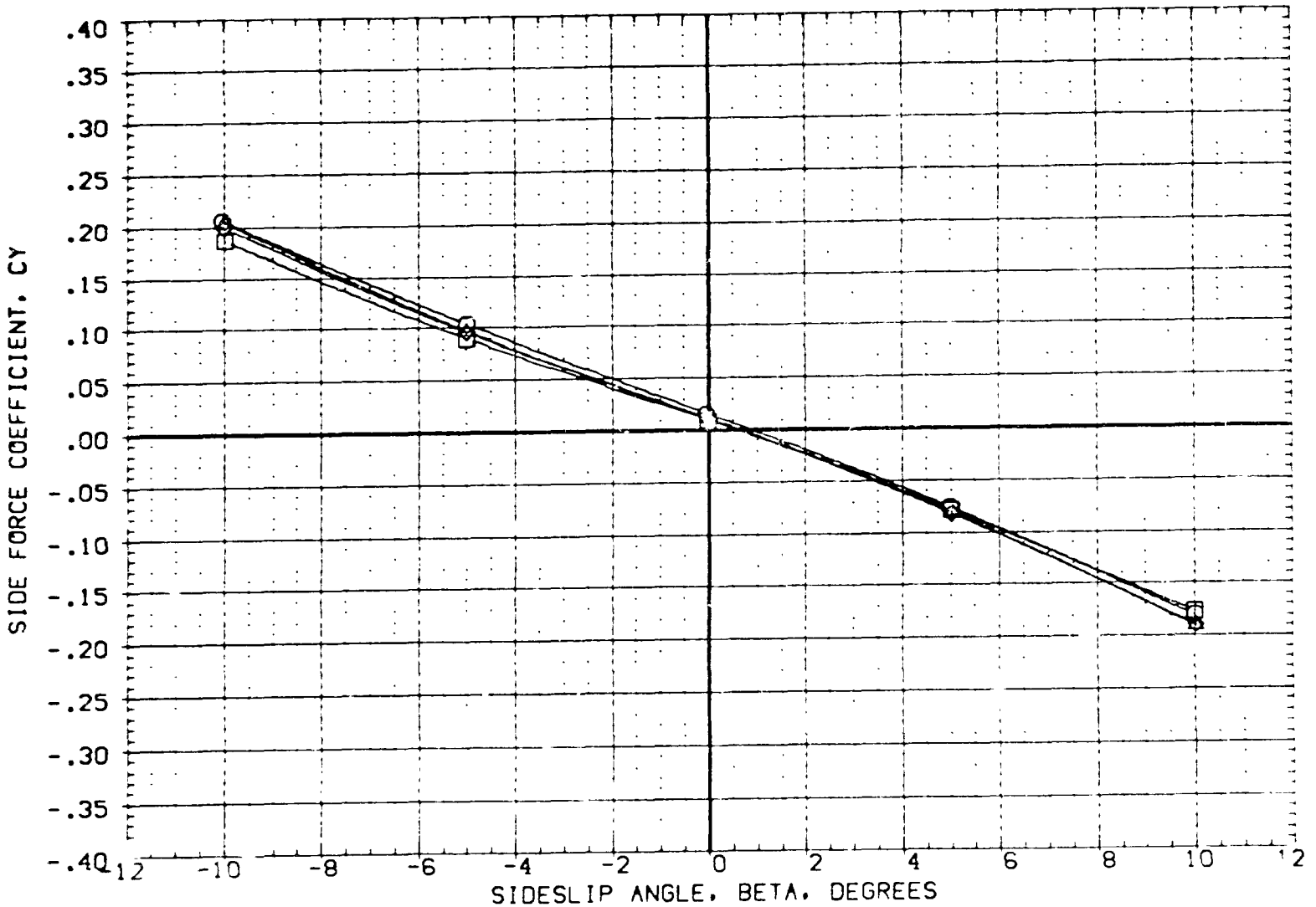



FIG 35 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION |
|---|---|---|---|
| (RDX005) | □ | OA86 B50C9 M7F8 | W116E26V9R5X9 |
| (RDX112) | ◇ | OA86 B50C9 F8 | W 16E26V8R5X9 |
| (RDX117) | △ | OA86 B50C9 M10F8 | W 16E26V8R5X9 |
| (RDX122) | ○ | OA86 B50C9 M11F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.5677 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

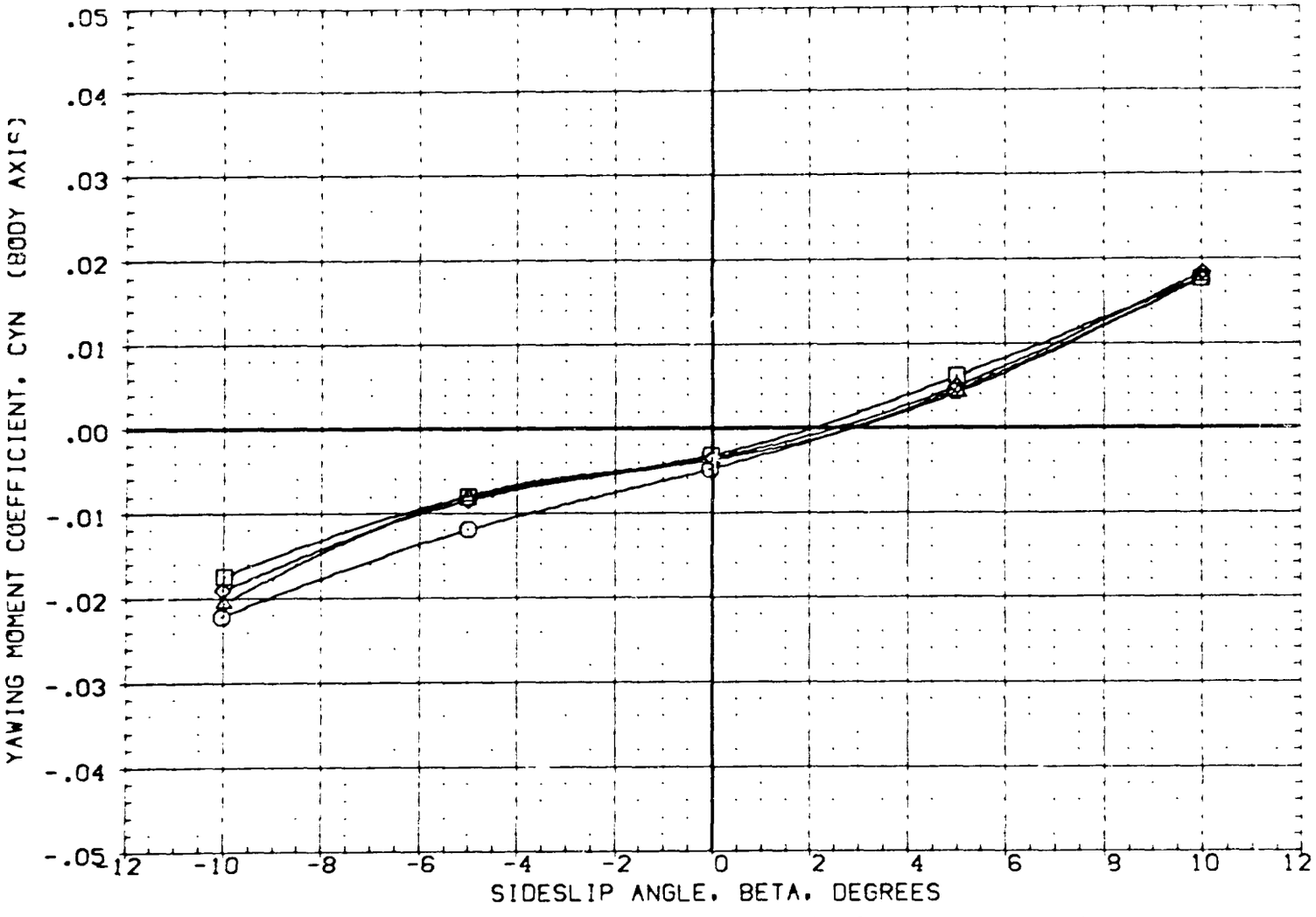



FIG 35 EFFECT OF OMS PODS, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX005) | ○ | OA86 | B50C9 | M7F8 | W116E26VBR5X9 |
| (RDX112) | □ | OA86 | B50C9 | F8 | W116E26VBR5X9 |
| (RDX117) | ⊗ | OA86 | B50C9 | M10F8 | W116E26VBR5X9 |
| (RDX122) | △ | OA86 | B50C9 | M11F8 | W116E26VBR5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2457 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

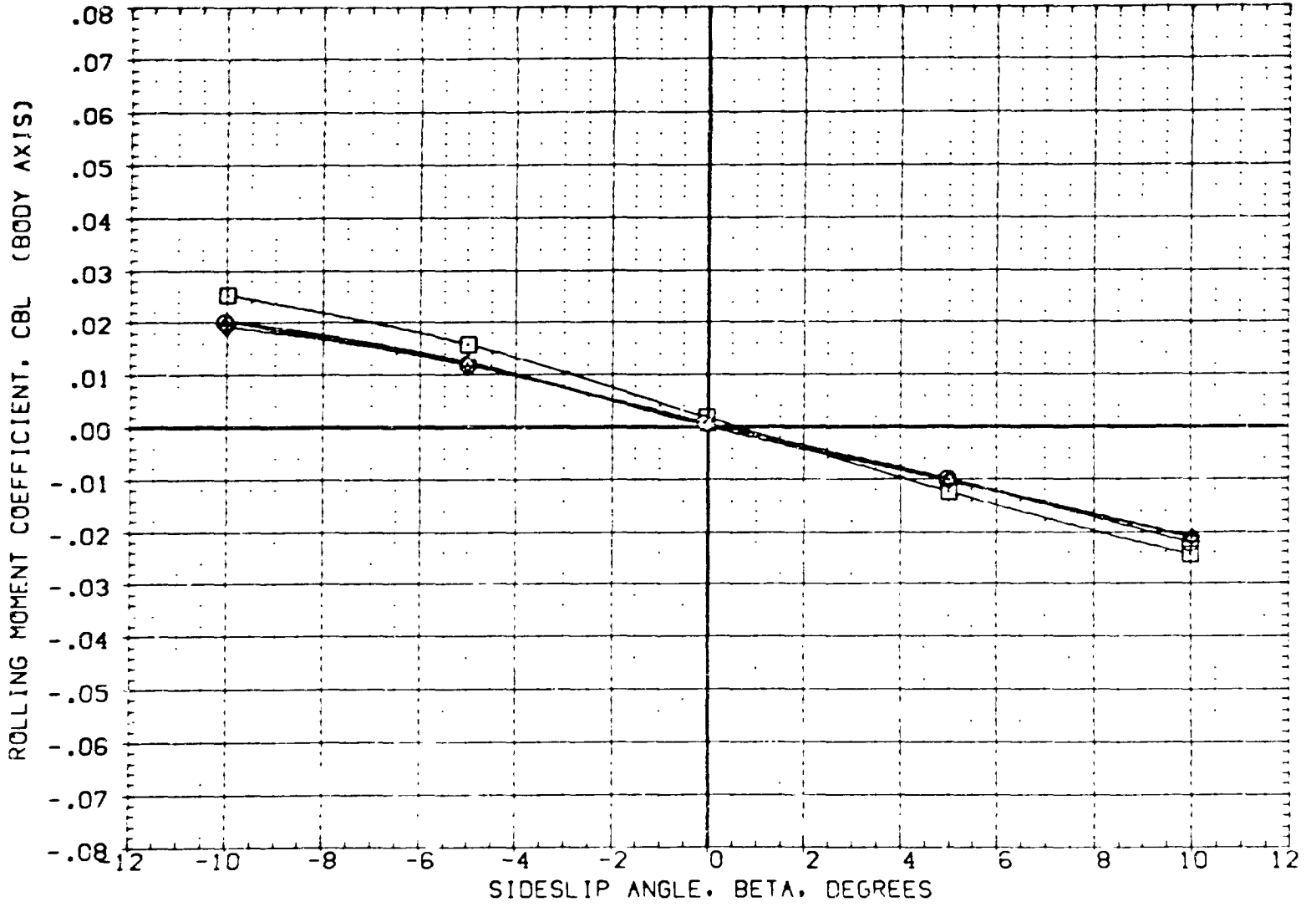



FIG 35 EFFECT OF CMS PODS, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MACH = .20

| DATA SE | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX076) | □ | CA86 | B50C9 | M7F8 | W:16E26/8R5X9 | 5.000 | -12.000 | .000 | 25.000 |
| (ADX123) | — | CA86 | B50C9 | F8 | W:16E26/8R5X9 | 5.000 | -12.000 | .000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5574 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

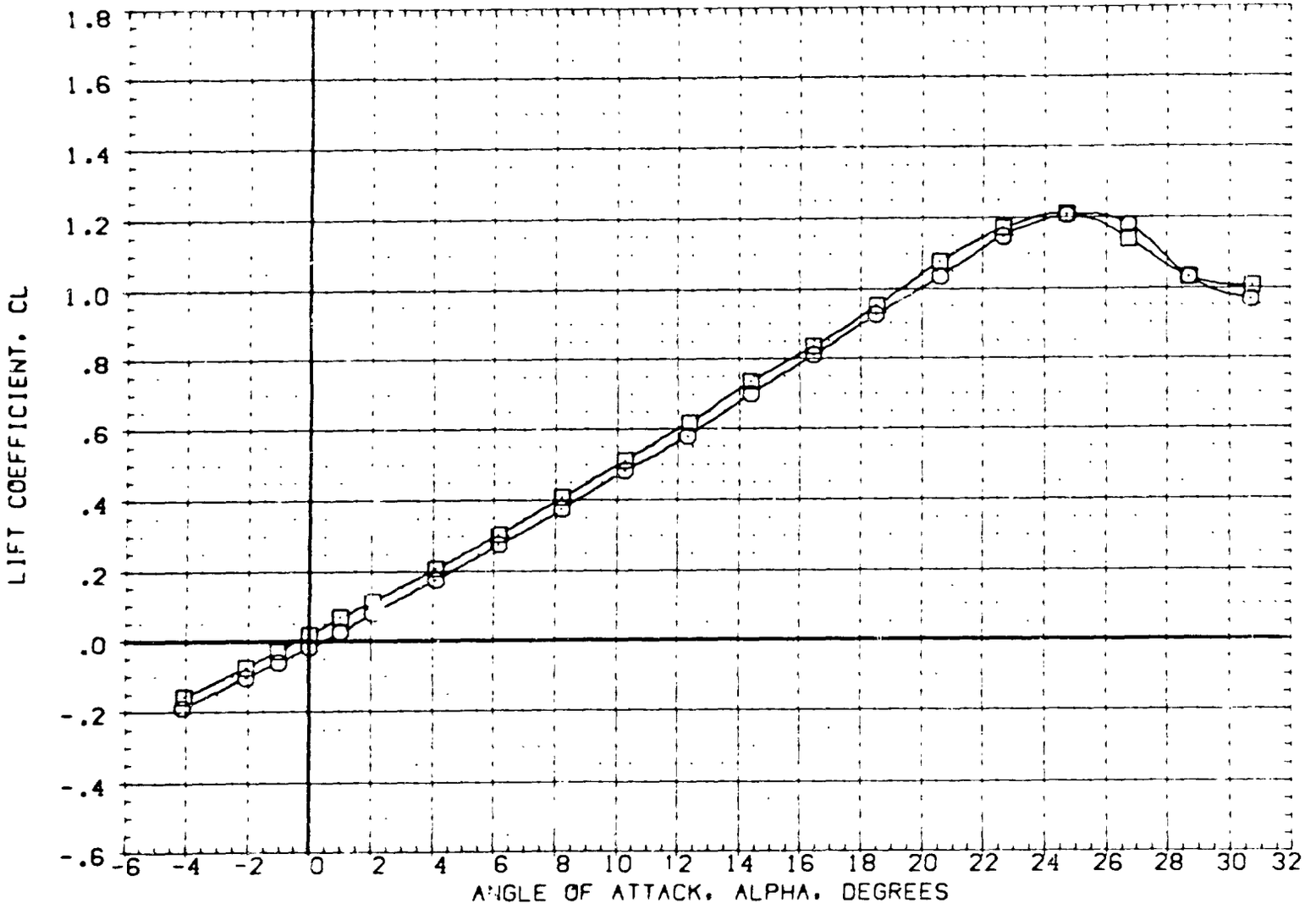



FIG 36 EFFECT OF OMS PODS, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|
| (ADX076) | □ | OA86 B50C9 M7F8 W116E26V0[illegible] | 5.000 | -12.000 | .000 | 25.000 |
| (ADX123) | □ | OA86 B50C9 F8 W116E2C/0F[illegible]9 | 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

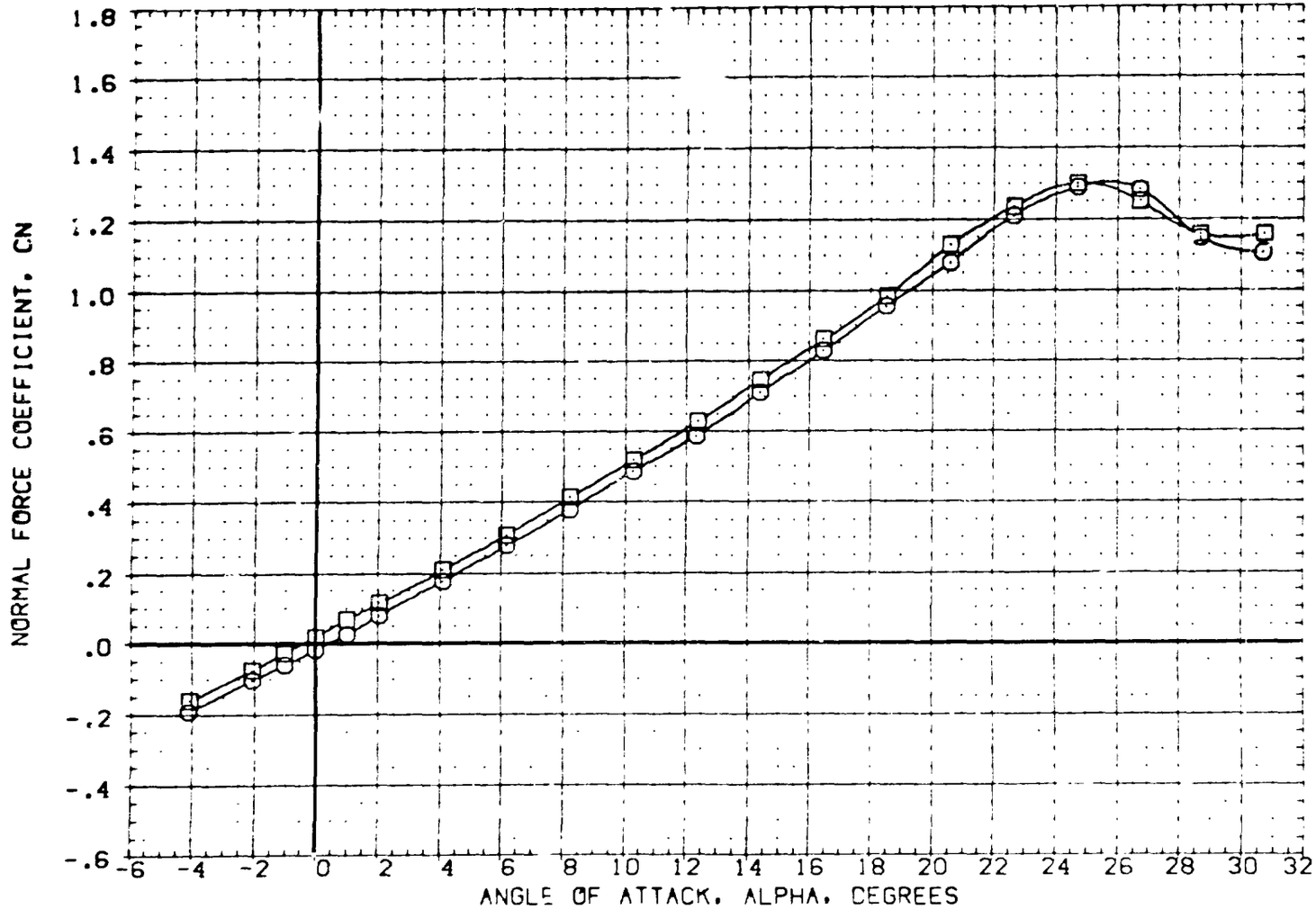



FIG 36 EFFECT OF OMS PODS, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 |
| (ADX123) | □ | 0A86 | B50C9 | F8 | W116E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

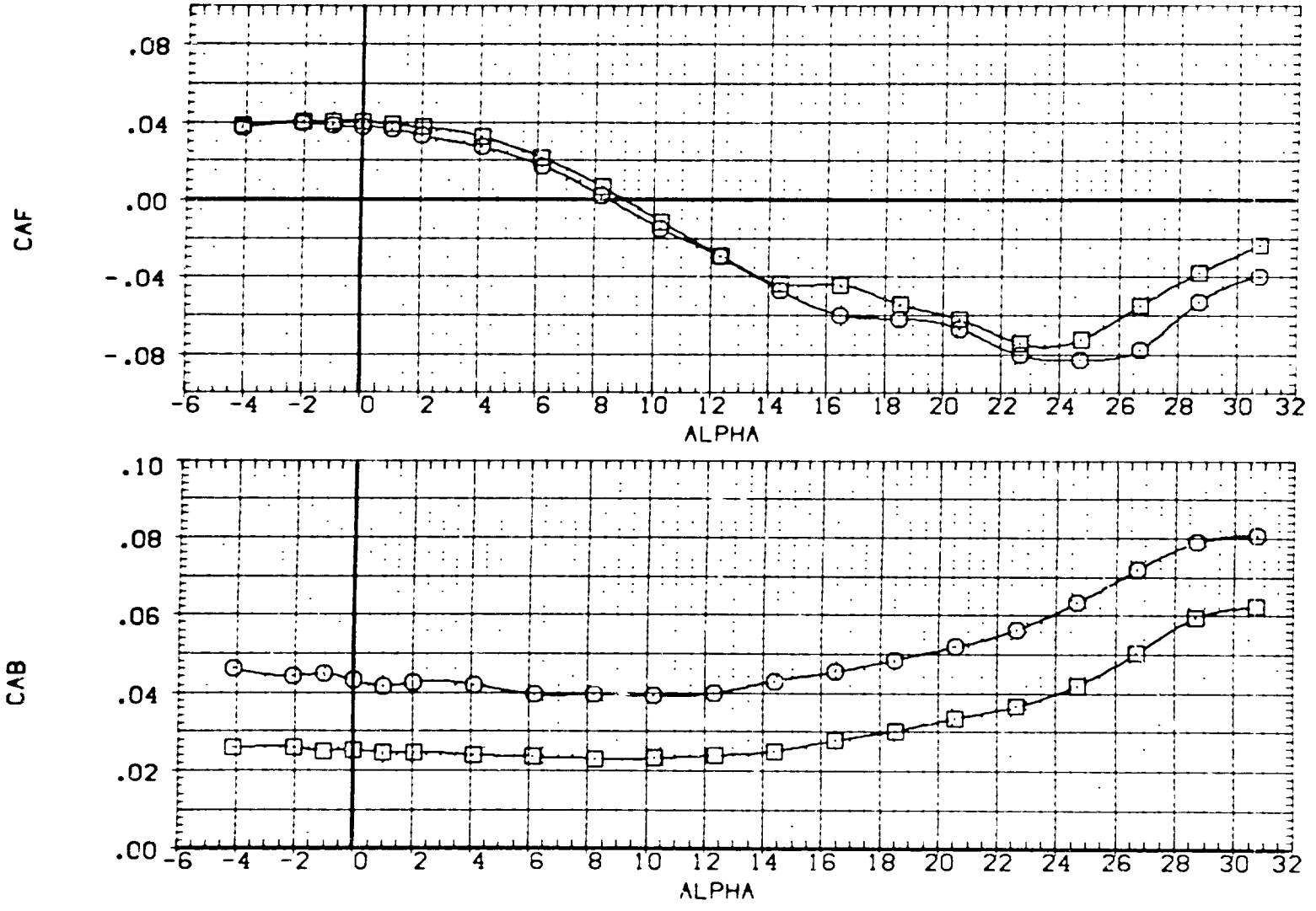



FIG 36 EFFECT OF OMS PODS, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | | CA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (ADX123) | | CA86 | 850C9 | F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

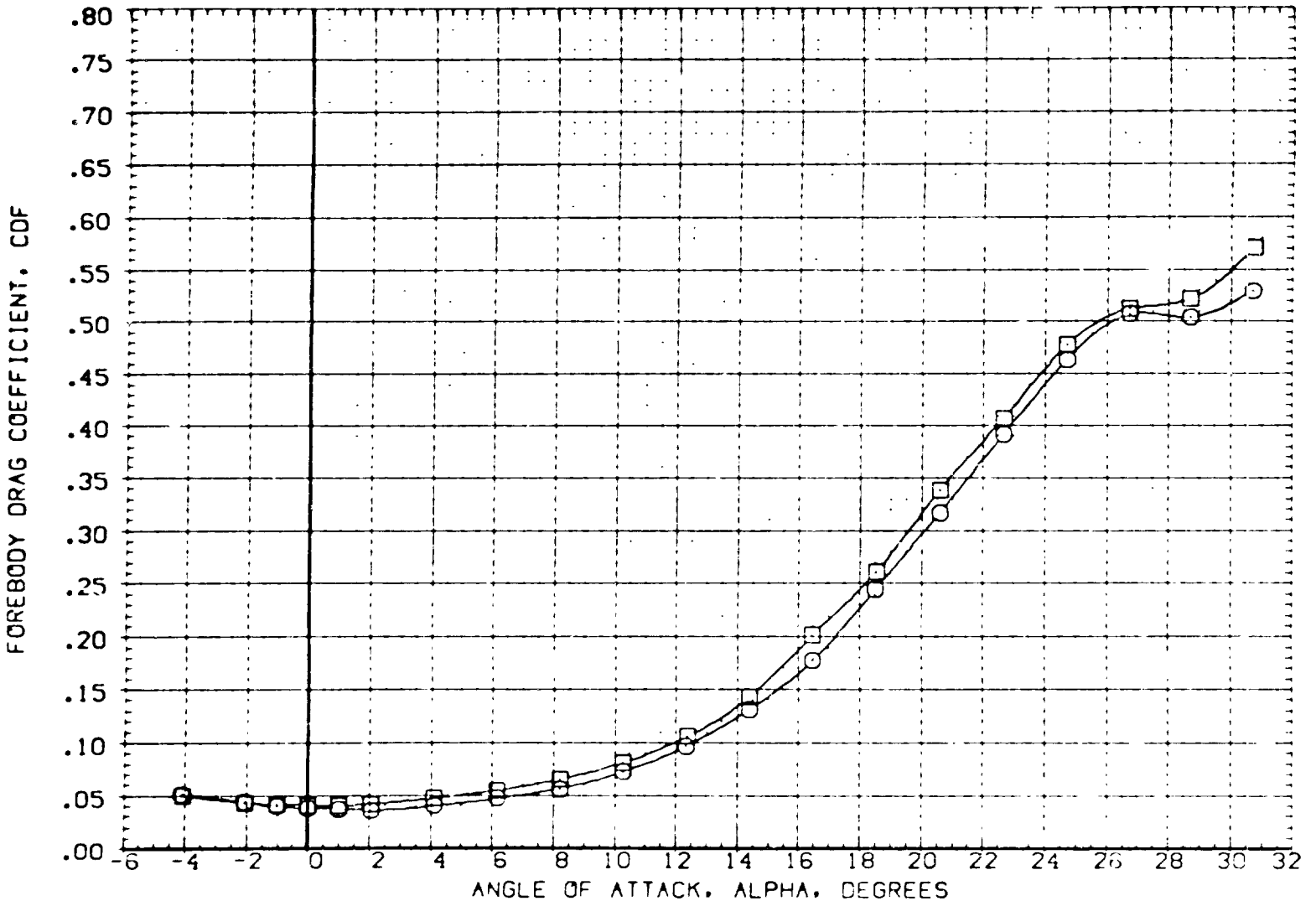



FIG 36 EFFECT OF OMS POD, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (A)X076 | □ | 0A86 | 850C9 | M7F8 | W1162626V8R5X9 |
| (A)X123 | △ | 0A86 | 850C9 | F8 | W.162626V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0455 | SCALE |

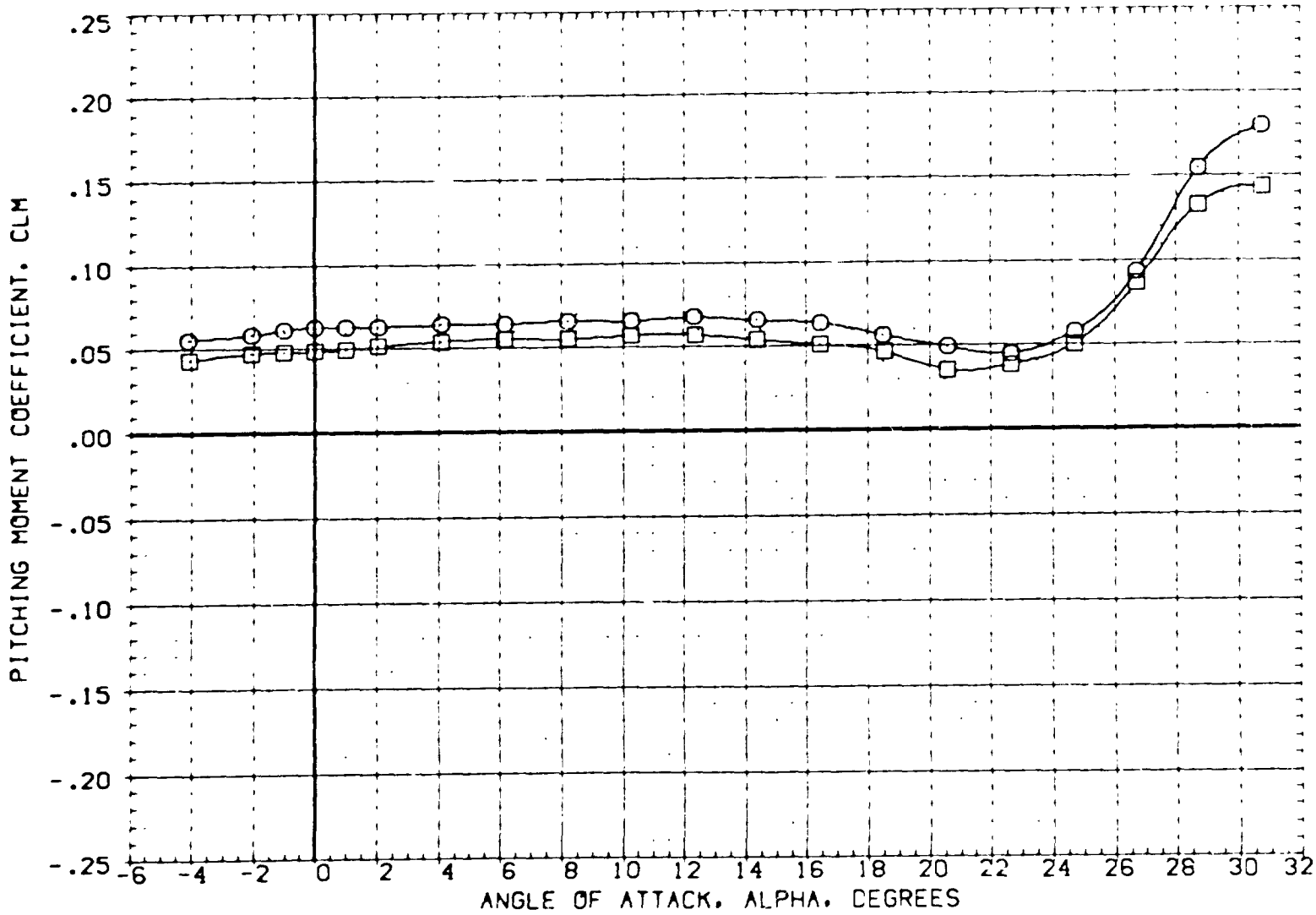



FIG 36 EFFECT OF OMS PODS, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | V116E26V8R5X9 |
| (ADX123) | □ | 0A86 | B50C9 | F8 | V116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

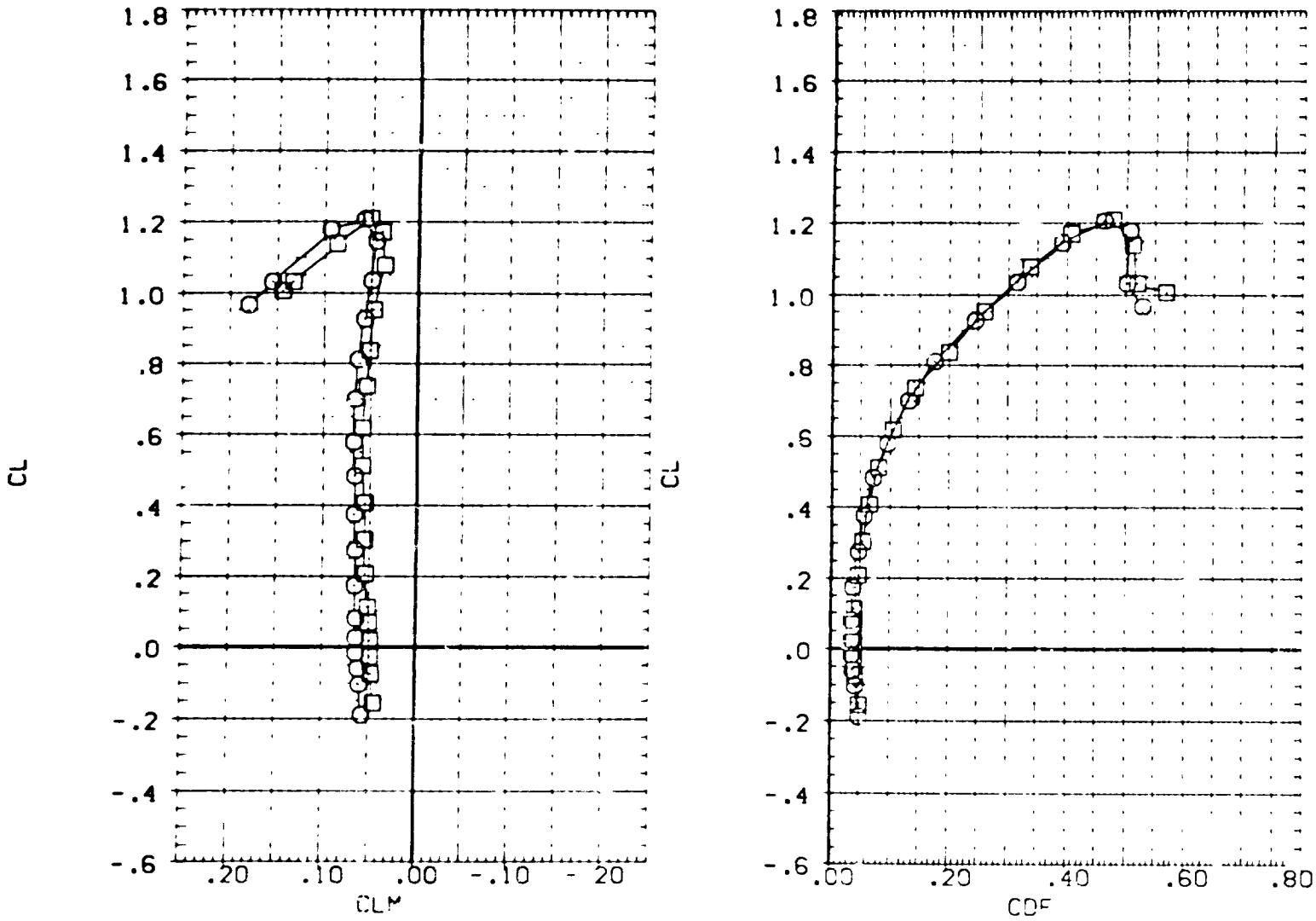



FIG 36 EFFECT OF CMS [illegible], WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

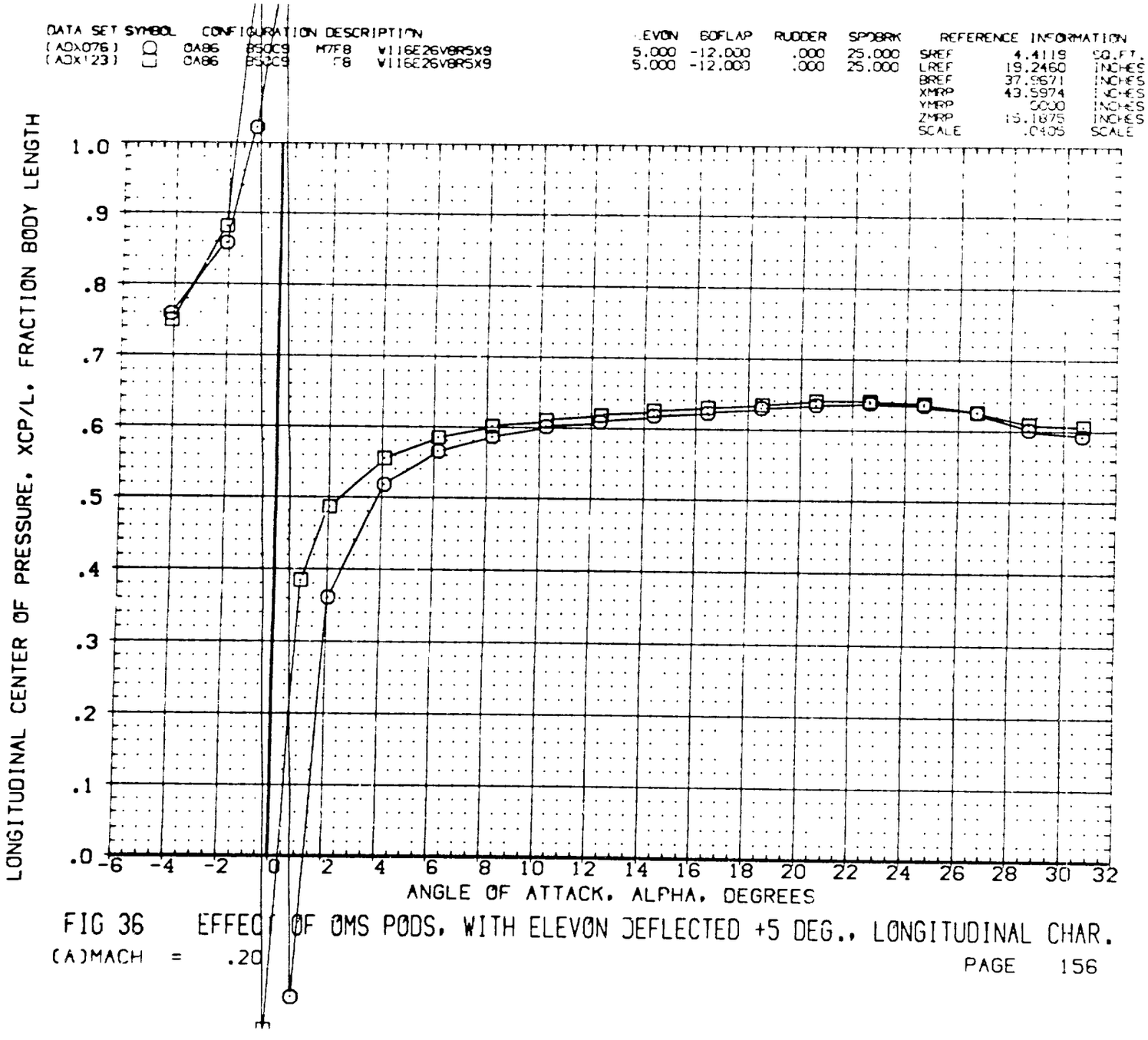



FIG 36 EFFECT OF OMS PODS, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX123) | □ | 0A86 | B50C9 | F8 | W115E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

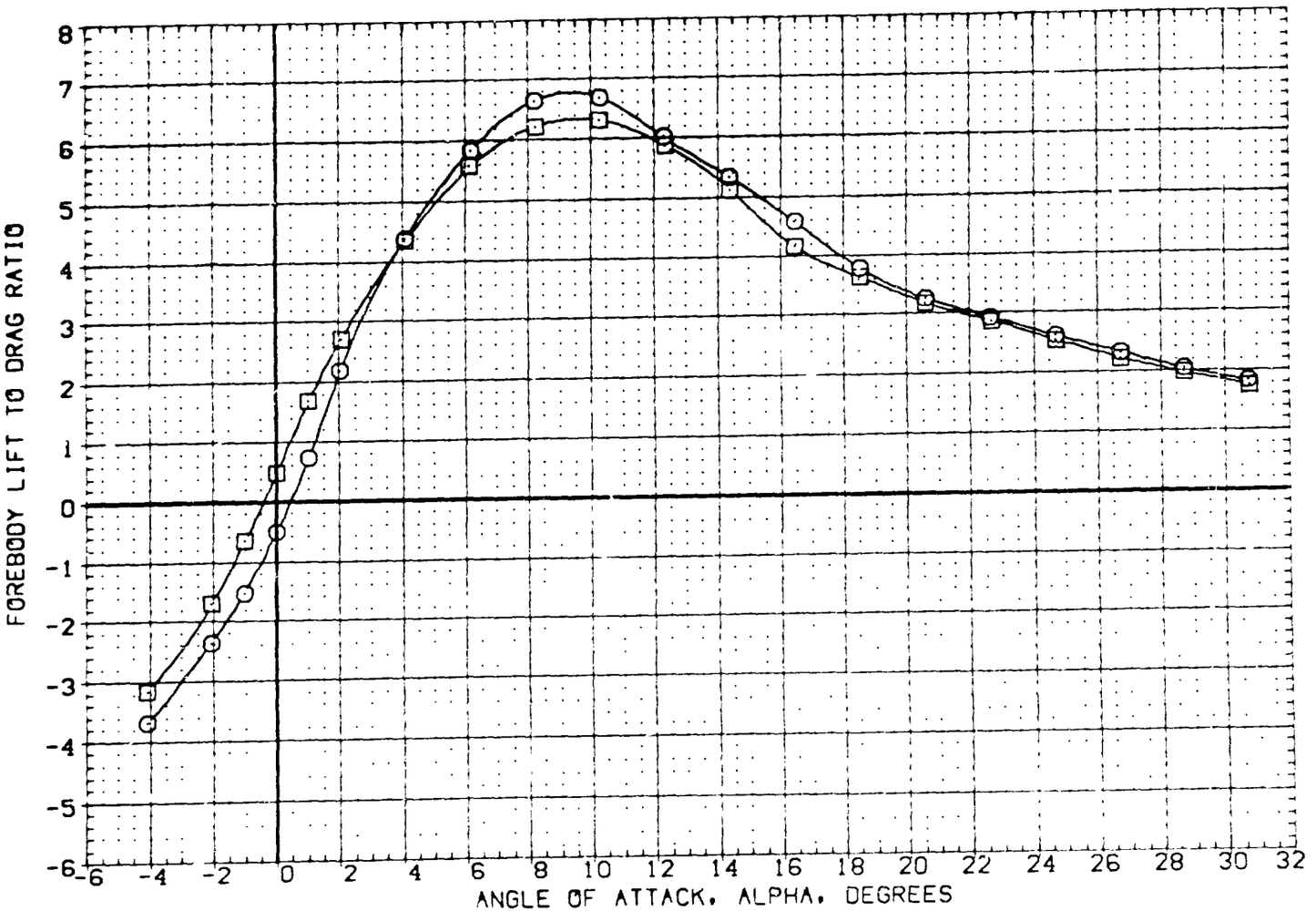



FIG 36 EFFECT OF OMS PODS, WITH ELEVON DEFLECTED +5 DEG., LONGITUDINAL CHAR.

(A)MACH = .20

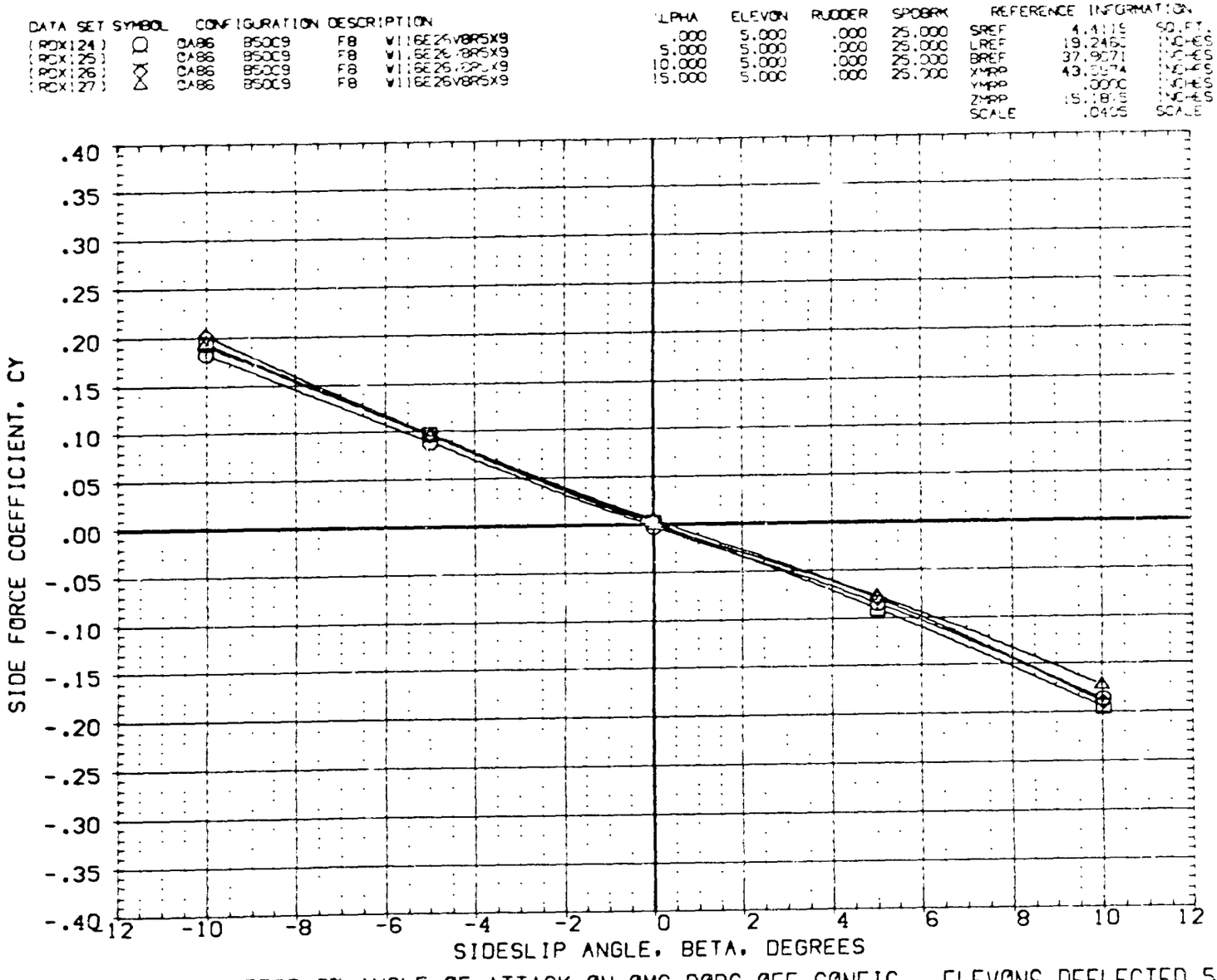



FIG 37 EFFECT OF ANGLE OF ATTACK ON OMS PODS OFF CONFIG., ELEVONS DEFLECTED 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION |
|---|---|---|---|
| (ROX124) | | OA86 B50C9 F8 | W116E26V8R5X9 |
| (ROX125) | | OA86 B50C9 F8 | W116E26V8R5X9 |
| (ROX126) | | OA86 B50C9 F8 | W116E26V8R5X9 |
| (ROX127) | | OA86 B50C9 F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |
| 10.000 | 5.000 | .000 | 25.000 |
| 15.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4113 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1675 | INCHES |
| SCALE | .0405 | SCALE |

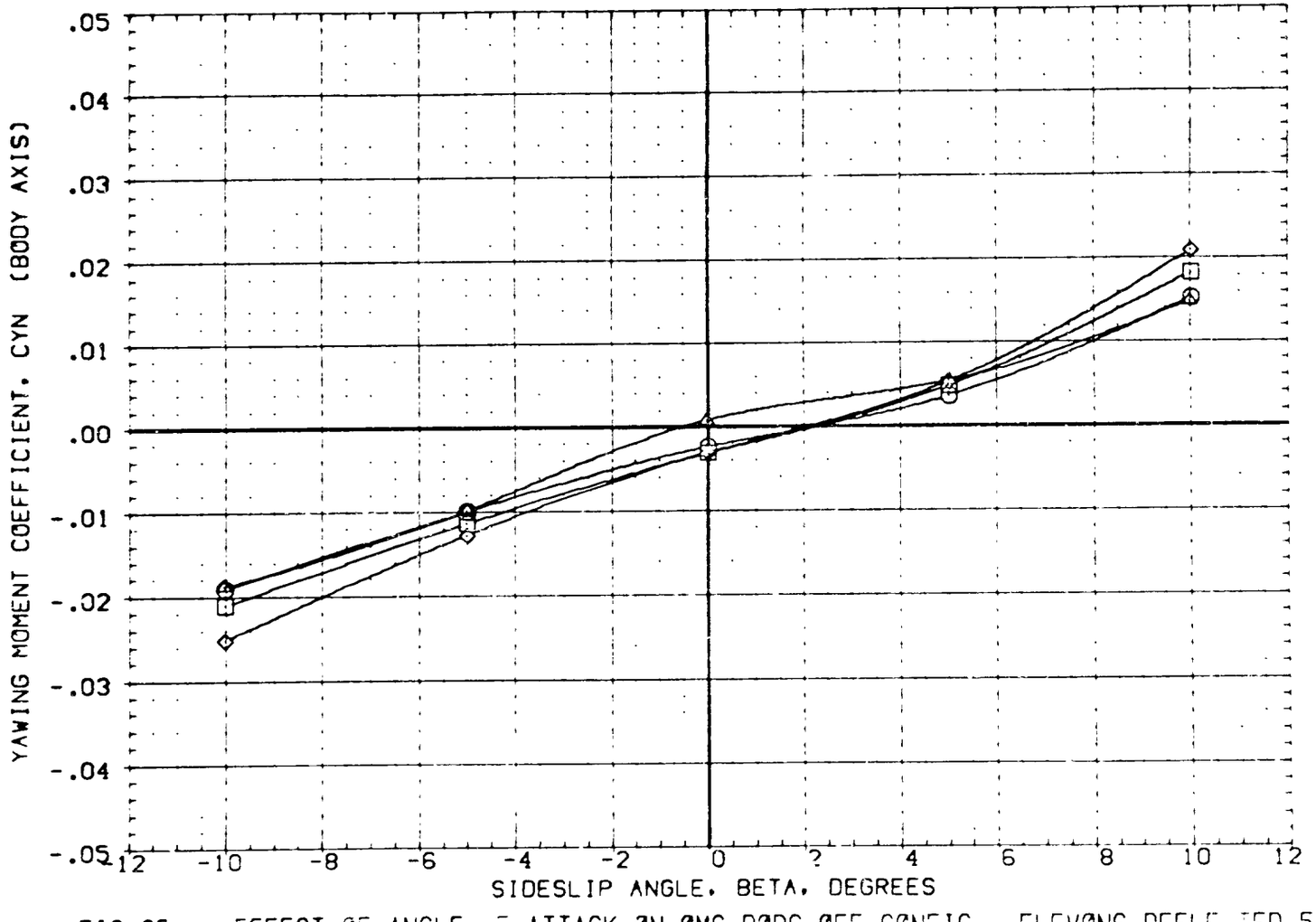



FIG 37 EFFECT OF ANGLE OF ATTACK ON OMS PODS OFF CONFIG., ELEVONS DEFLECTED 5

(A)MACH = .20

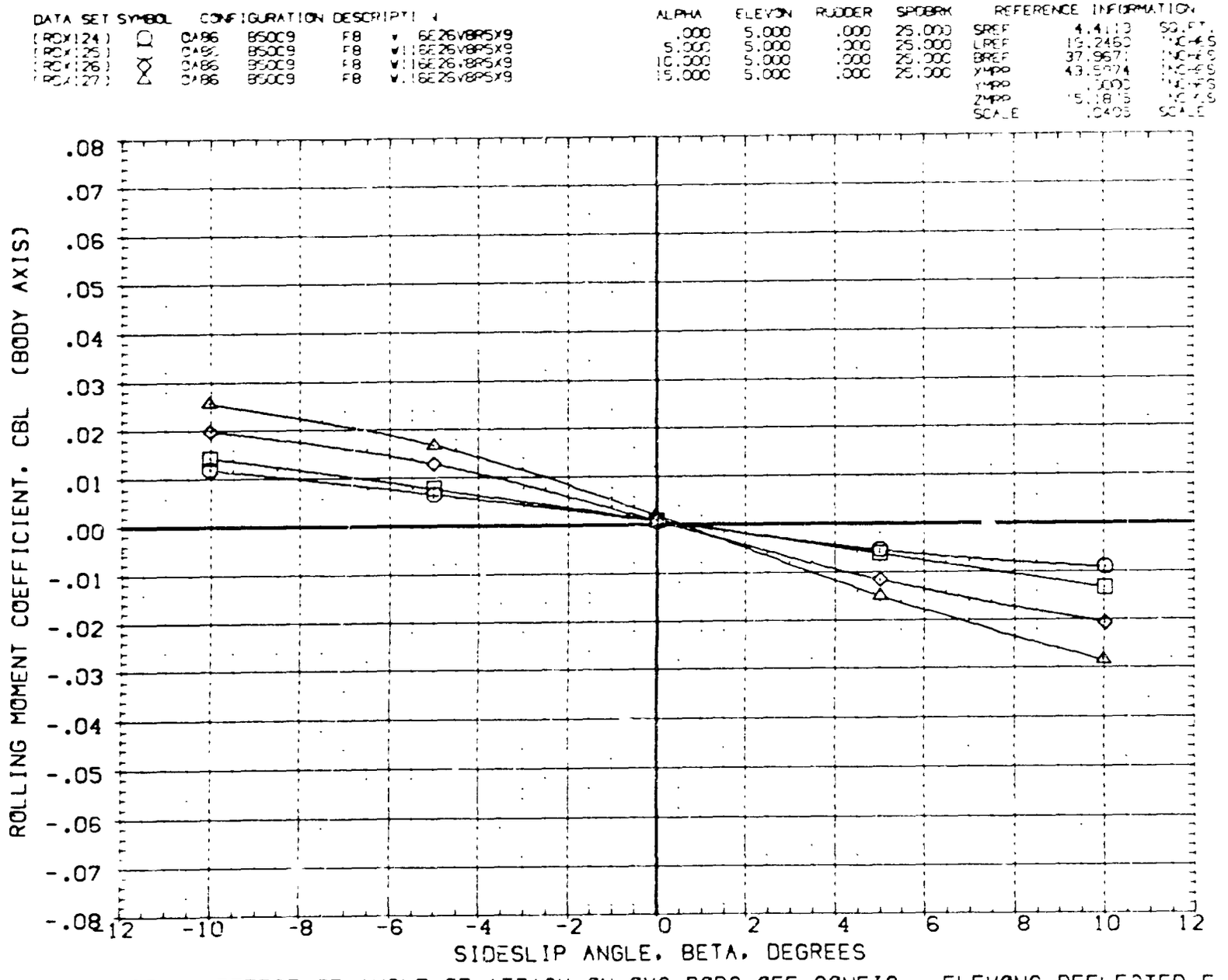



FIG 37 EFFECT OF ANGLE OF ATTACK ON OMS PODS OFF CONFIG., ELEVONS DEFLECTED 5

(A) MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX001) | ○ | 0A86 | B5C0C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX100) | □ | 0A86 | B41C9 | M7F8 | W118E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX095) | ◇ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

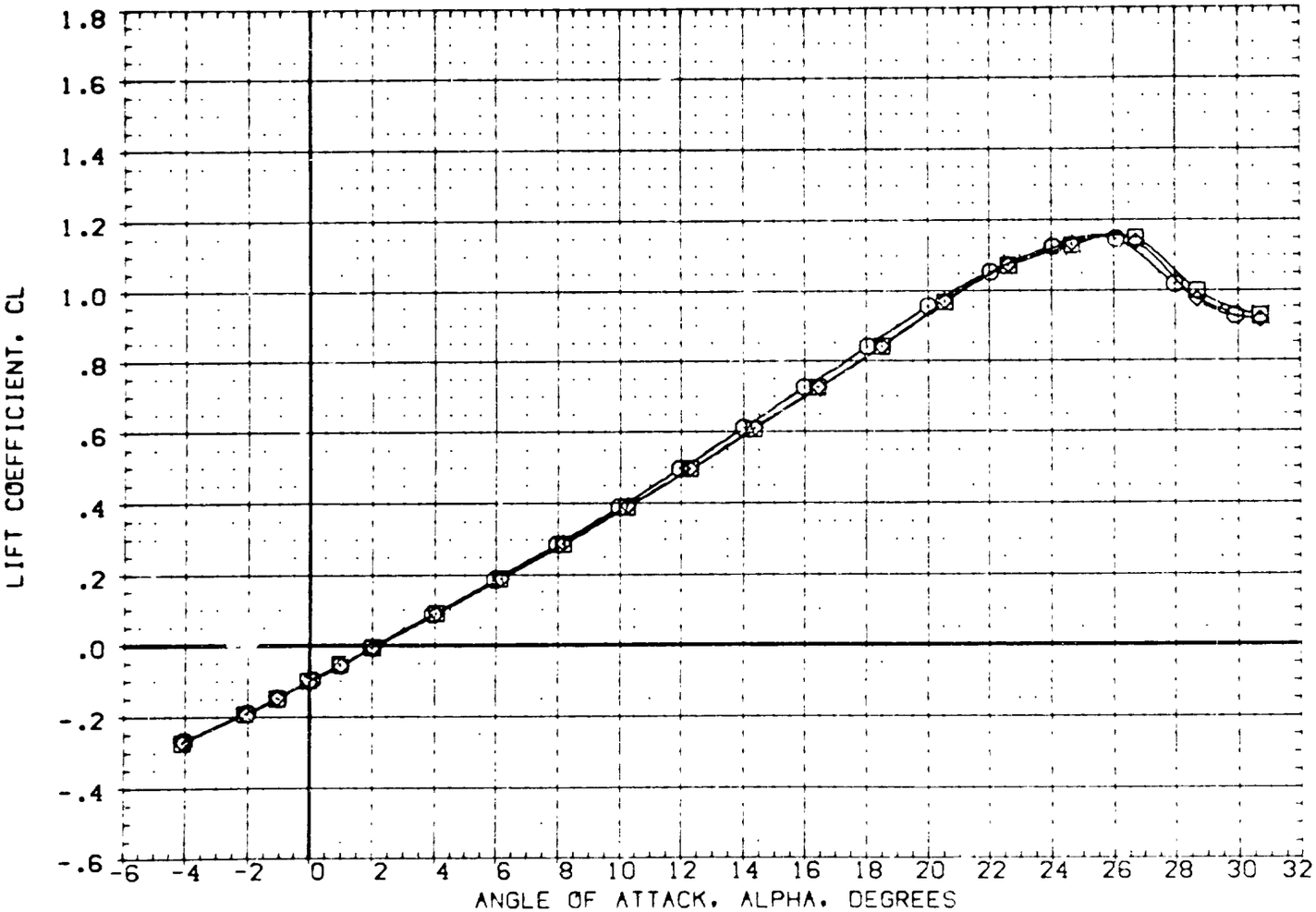



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MACH = .20

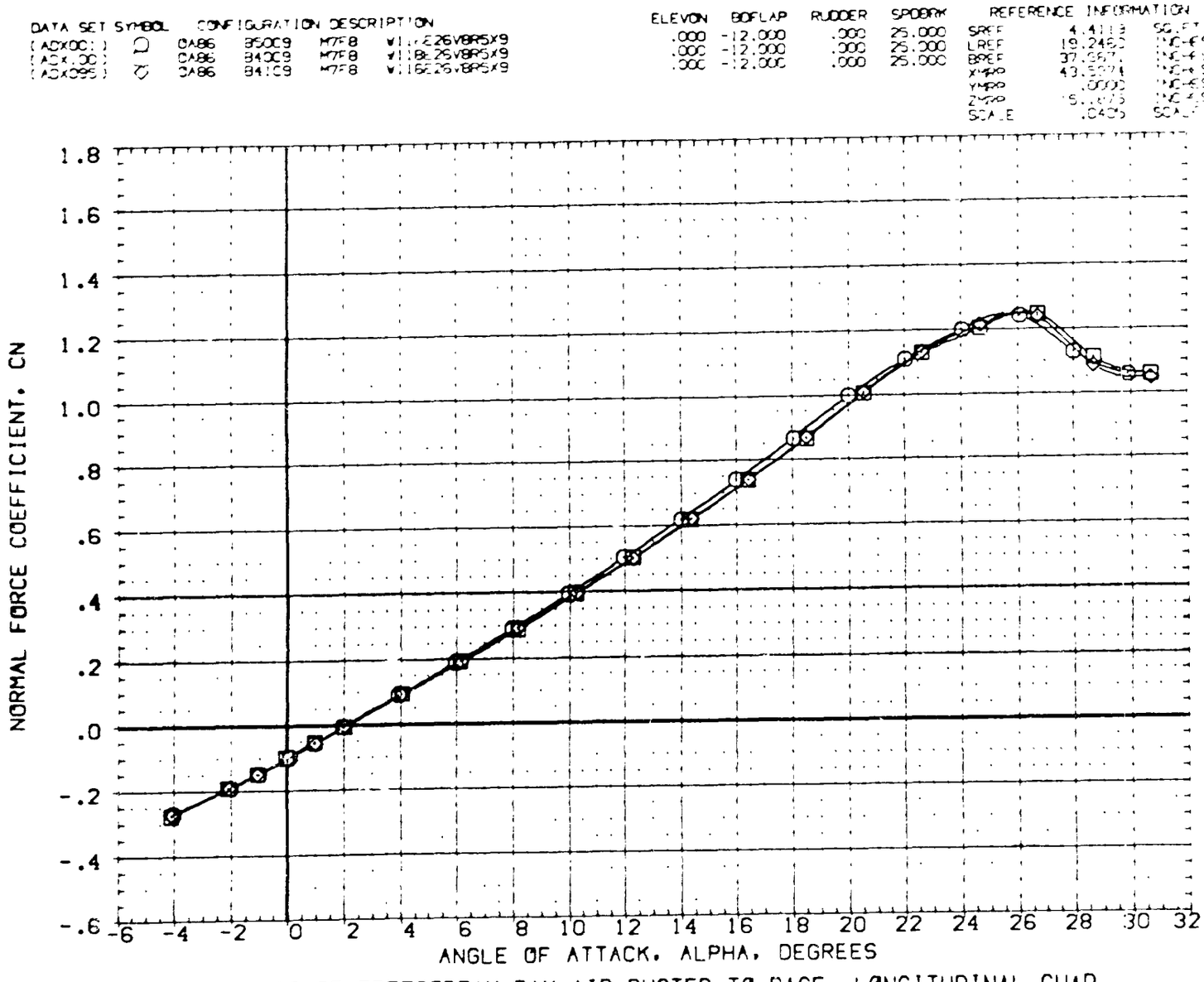



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | CA86 | B50C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX100) | ◇ | CA86 | B40C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX095) | □ | CA86 | B41C9 | M7F8 | W1I6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

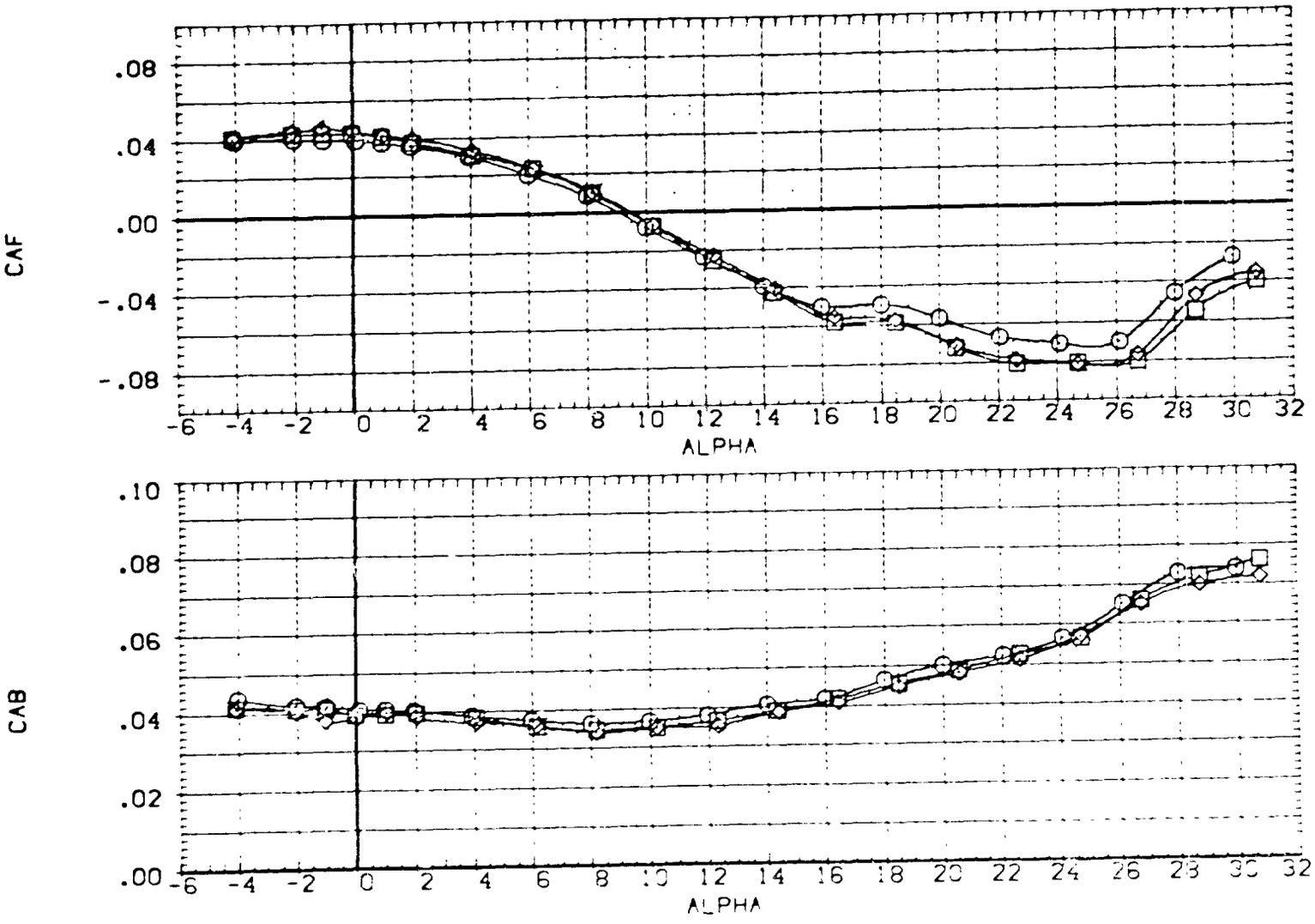



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MAC = .20

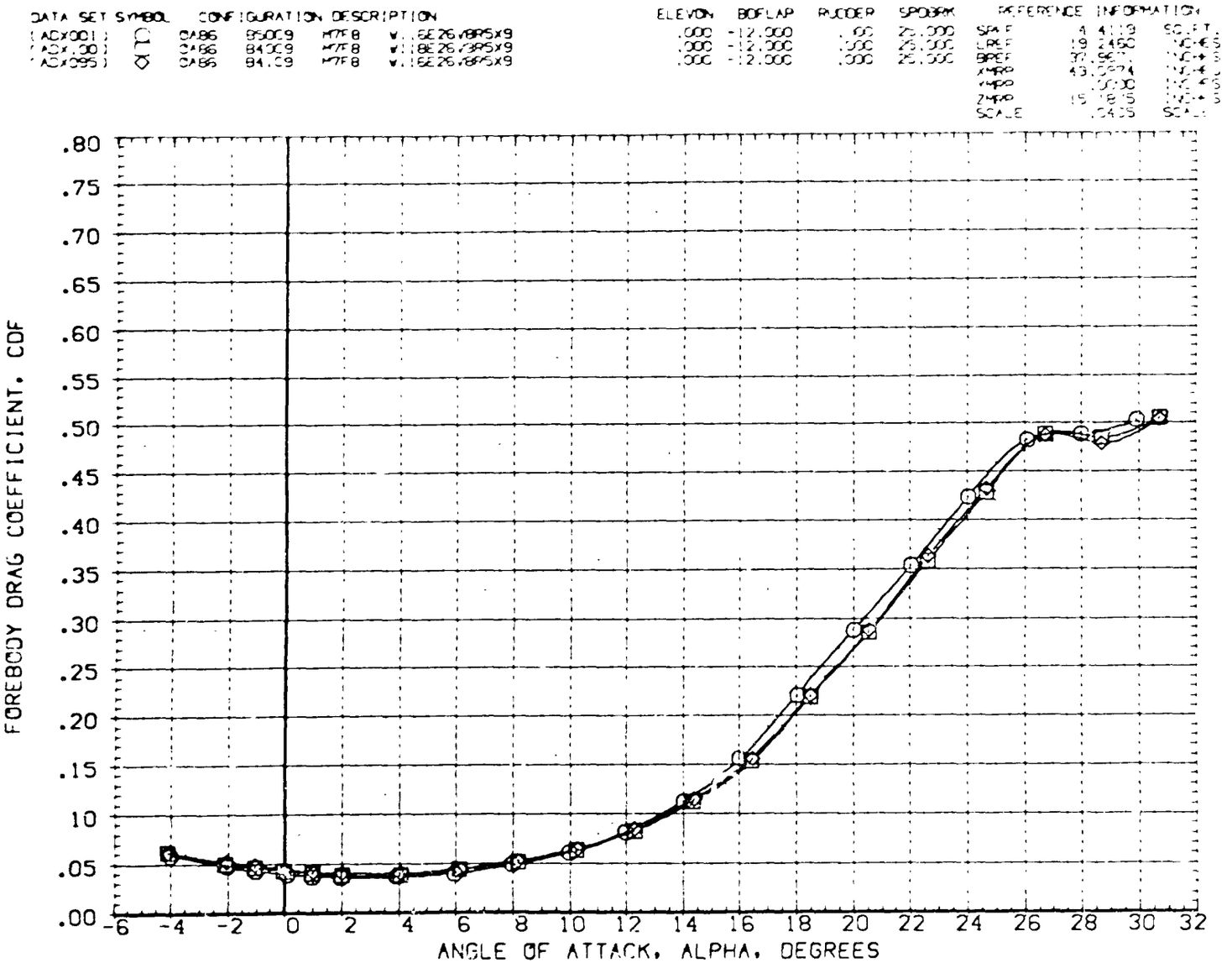



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX001) | ○ | BA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX100) | □ | BA86 | B4JC9 | M7F8 | W116E26V8R5X9 |
| (ADX095) | ◇ | BA86 | B41C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.41.9 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

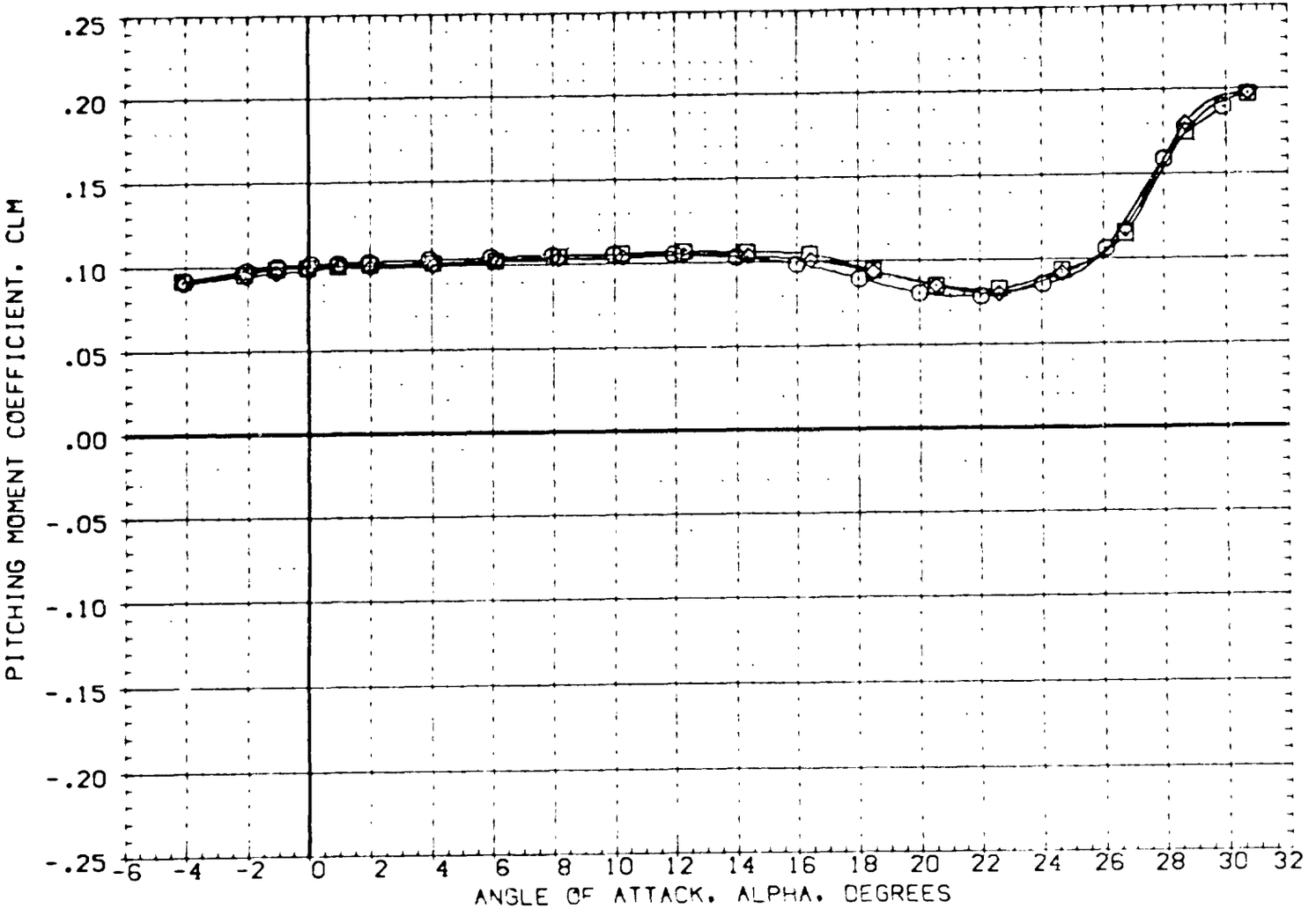



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ACX001) | □ | 0A86 | B50C9 | M7F8 | W116E26VBR5X9 |
| (ACX100) | ◇ | 0A86 | B40C9 | M7F8 | W116E26VBR5X9 |
| (ACX095) | ◇ | 0A86 | B41C9 | M7F8 | W116E26VBR5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 27.6871 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1855 | INCHES |
| SCALE | .0405 | SCALE |

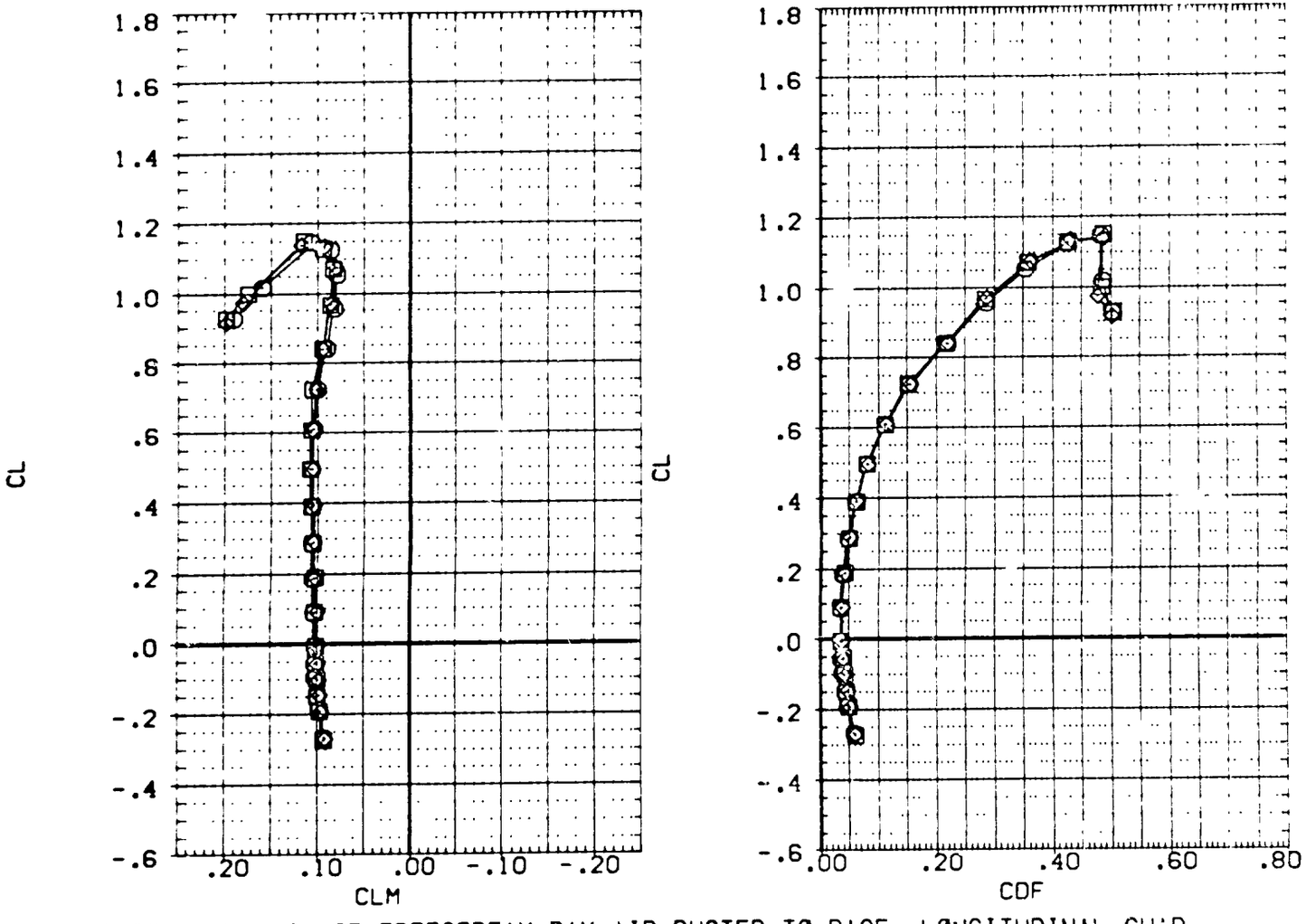



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MACH = .20

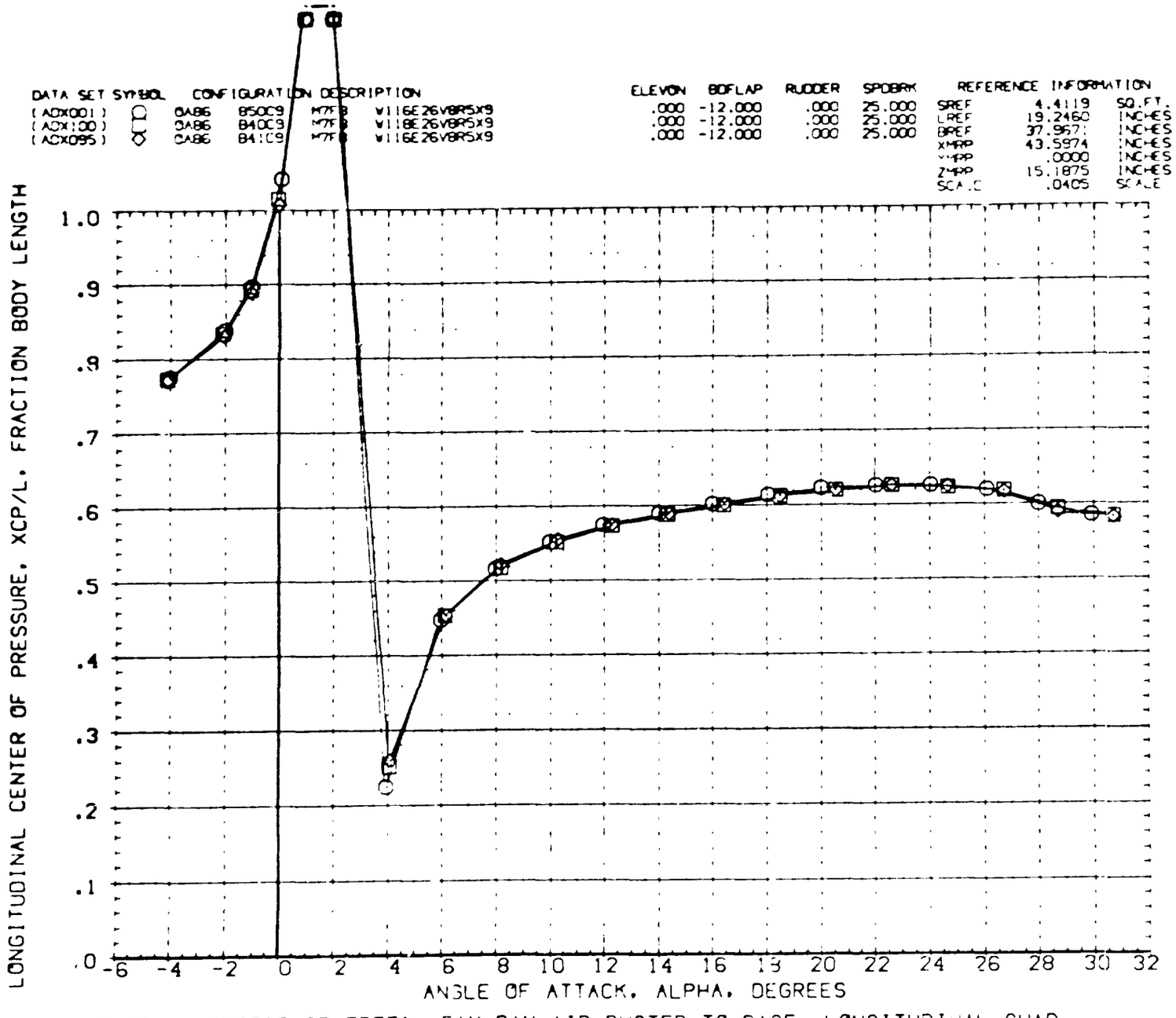



FIG 38 EFFECT OF FREE STREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MAC = .20

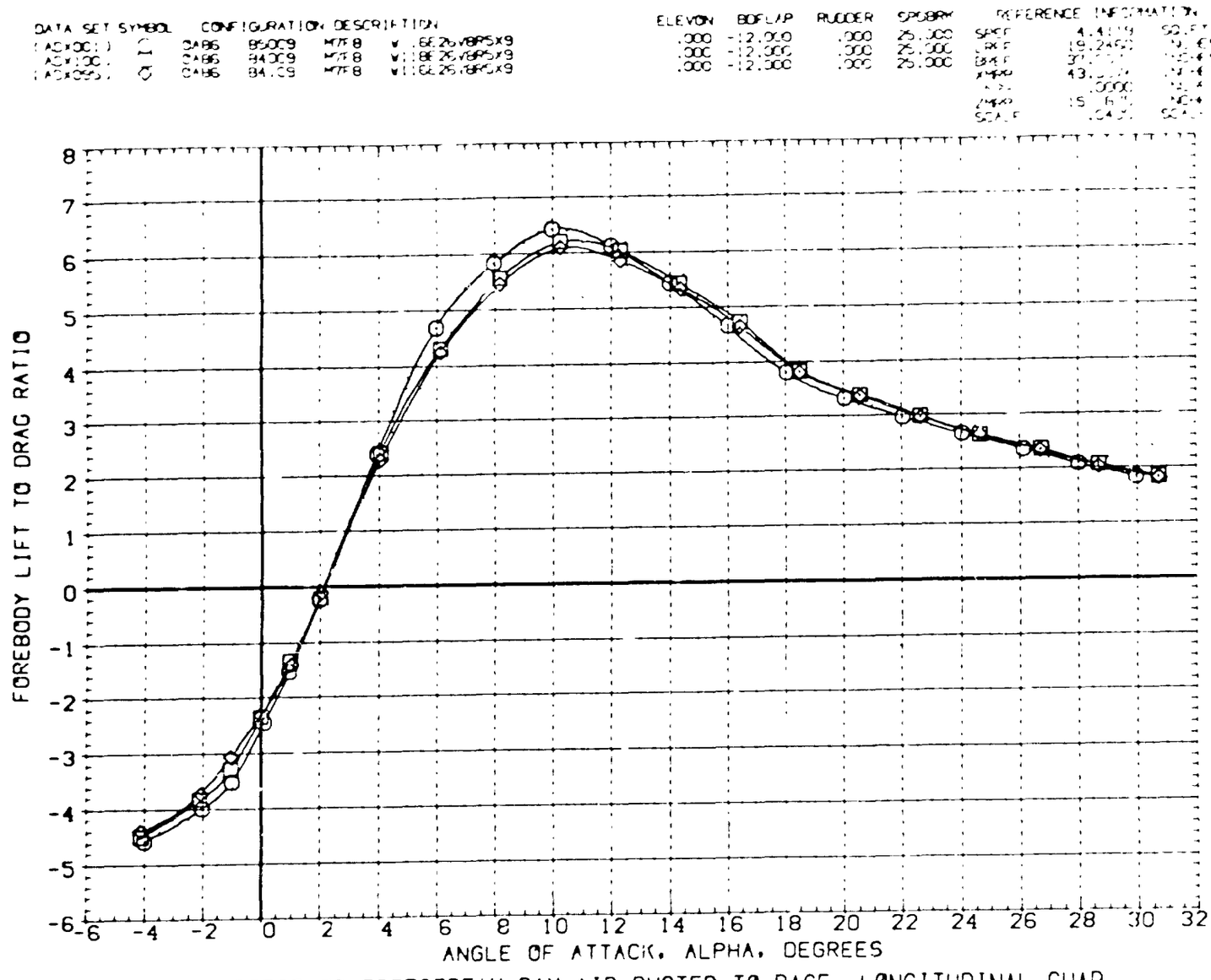



FIG 38 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX002) | ○ | OA86 | B50C9 | M7F8 | W:16E26V8R5X9 |
| (ROX101) | □ | OA86 | B40C9 | M7F8 | W:18E26V8R5X9 |
| (ROX096) | ◇ | OA86 | B41C9 | M7F8 | W:18E16V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

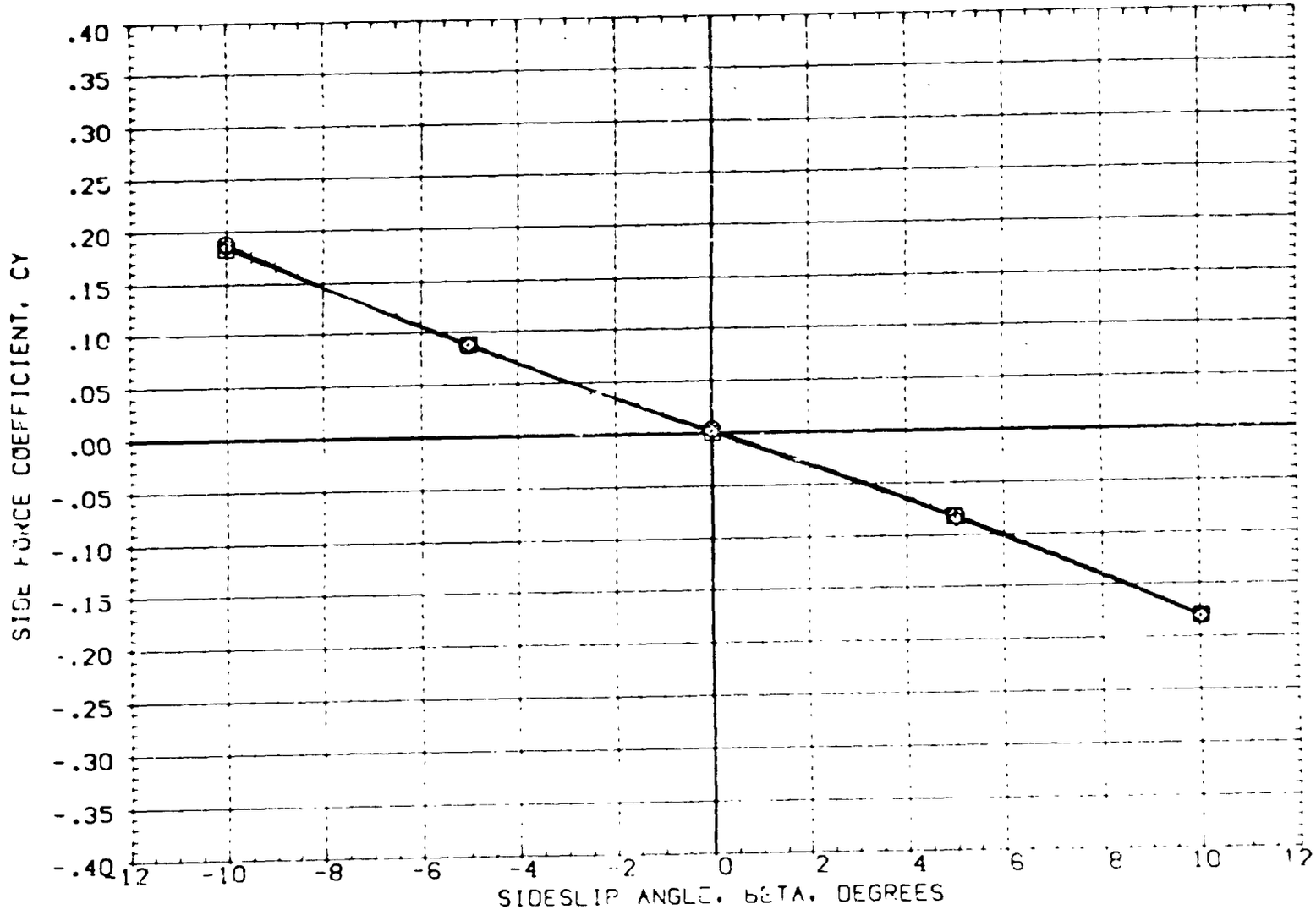



FIG 39 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR. ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX002) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX101) | ◇ | CA86 | B40C9 | M7F8 | W118E26V8R5X9 |
| (RDX096) | ○ | CA86 | B41C9 | M7F8 | W118E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPLBRK |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 1.4119 | SQ FT. |
| LREF | 15.2460 | INCHES |
| BREF | 37.9837 | INCHES |
| XMRP | 43.5074 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1870 | INCHES |
| SCALE | .0435 | SCALE |

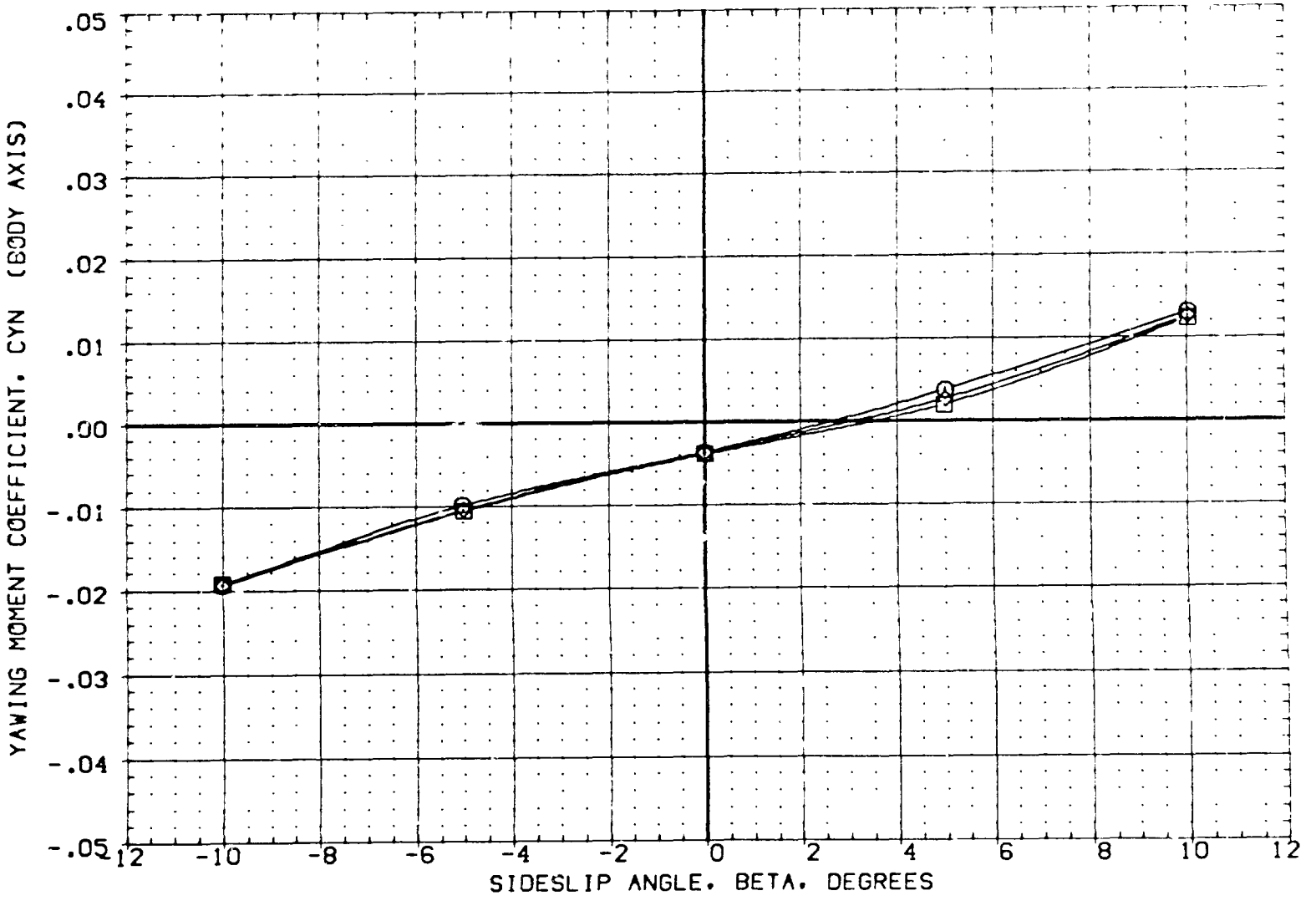



FIG 39 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX002) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX101) | ▭ | CA86 | B40C9 | M7F8 | W118E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX096) | ◇ | CA86 | B41C9 | M7F8 | W118E26V8R5X9 | .000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

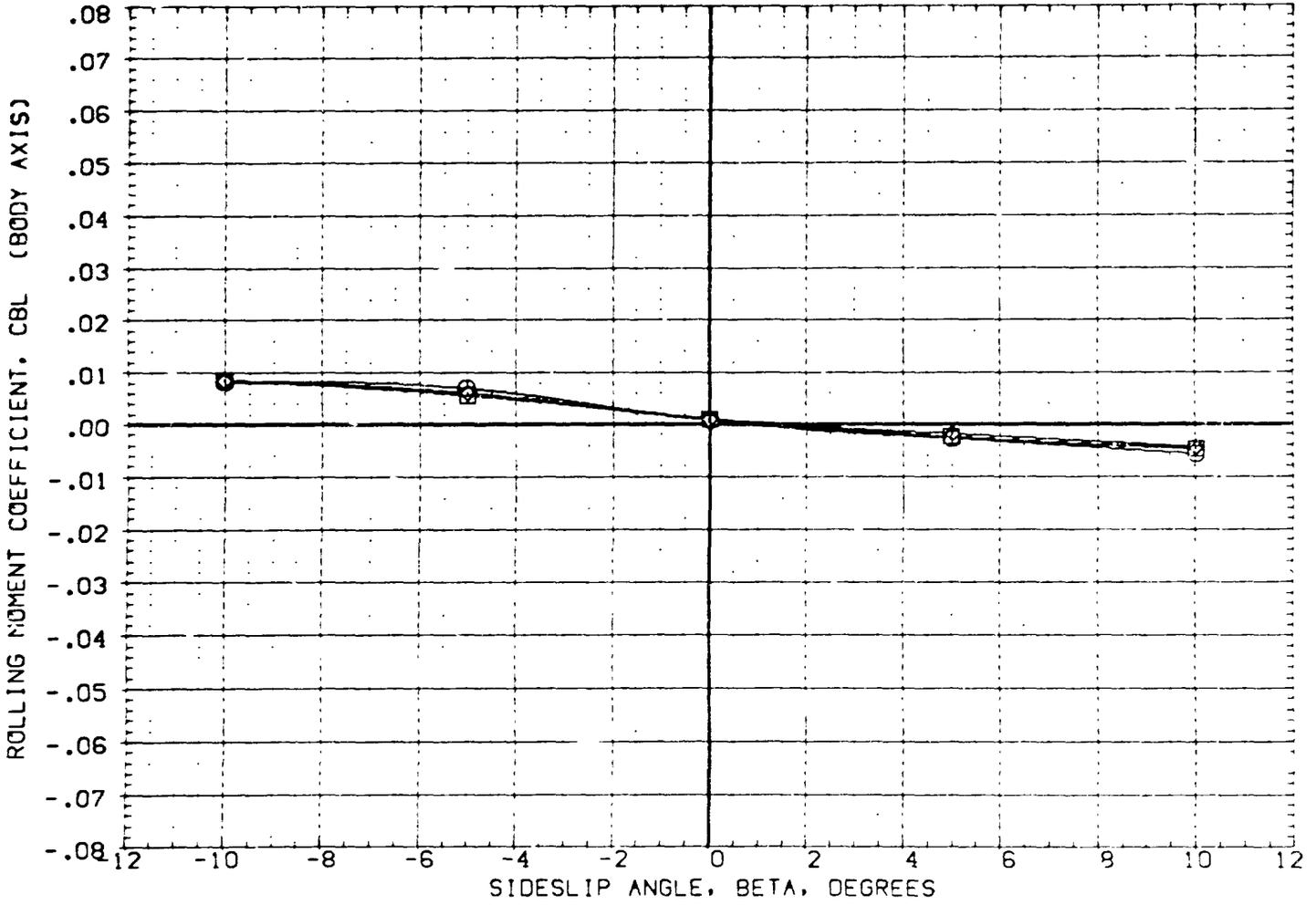



FIG 39 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 0

(A)MACH = .20

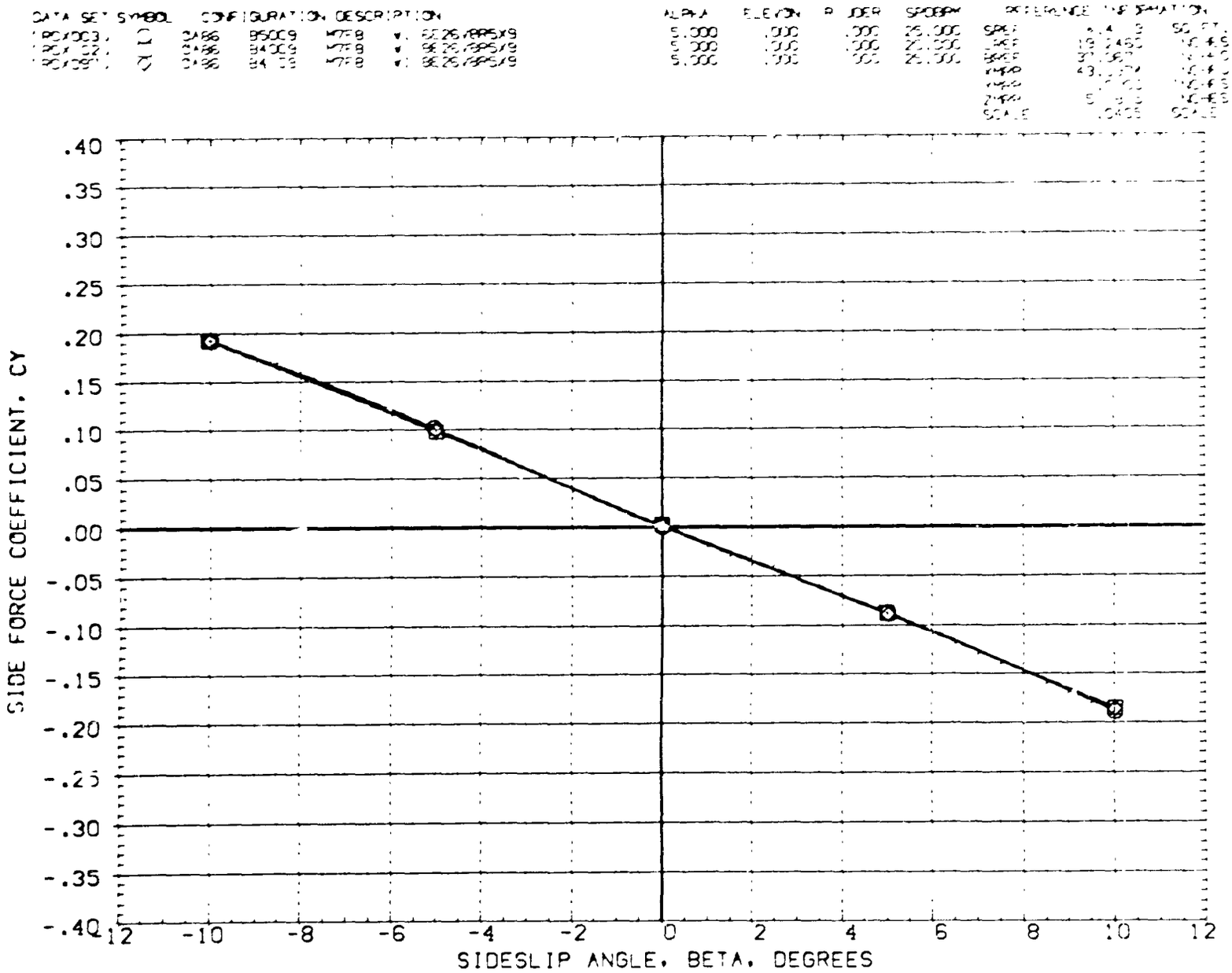



FIG 40 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX003) | □ | 0A86 | B50C9 | M7F8 | W11BE26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RDX102) | ○ | 0A86 | B40C9 | M7F8 | W11BE26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RDX097) | ◇ | 0A86 | B41C9 | M7F8 | W11BE26V8R5X9 | 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.411E | SQ.FT. |
| LREF | 19.246C | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040E | SCALE |

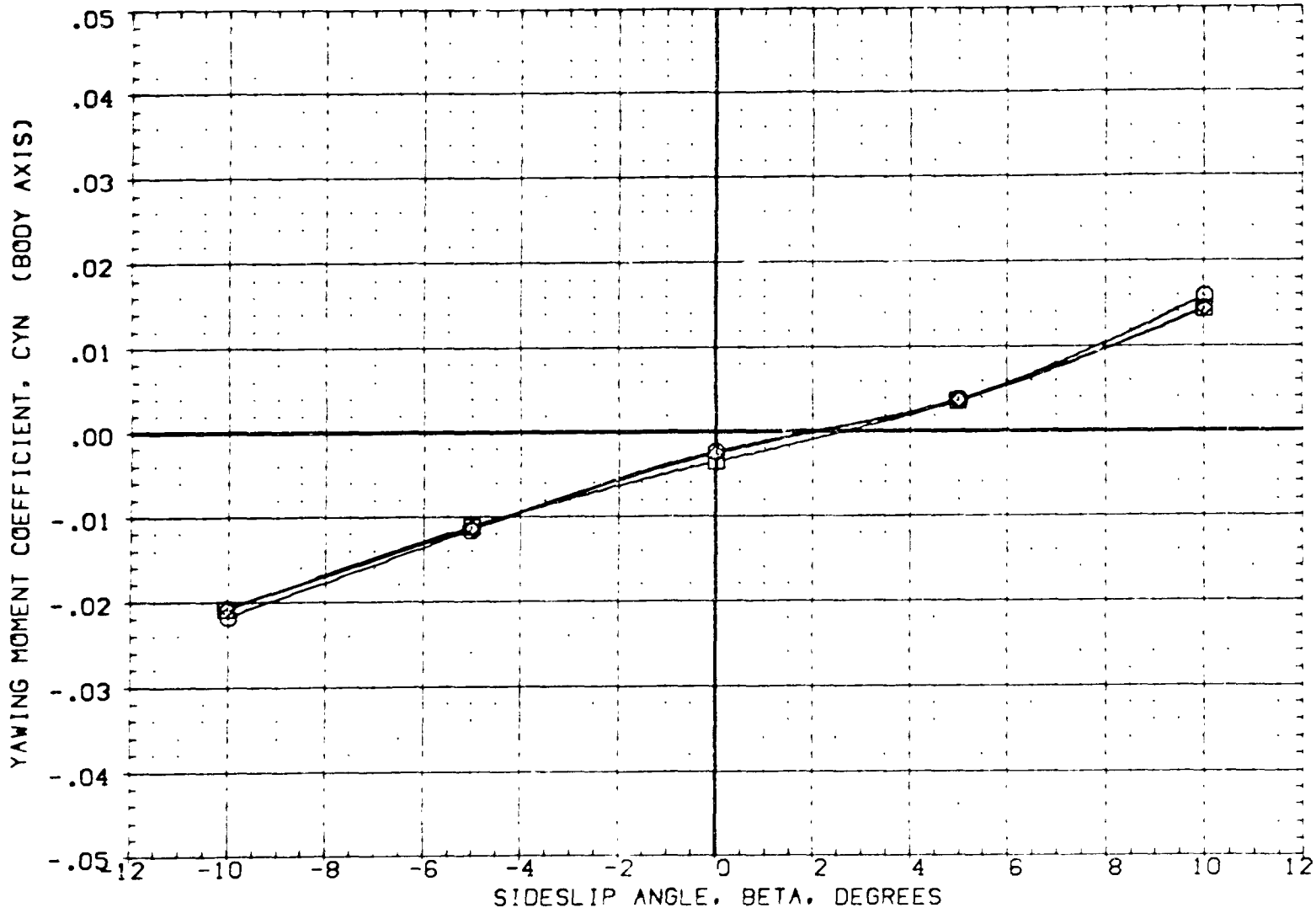



FIG 40 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R5X003) | □ | CA86 | B50C9 | M7F8 | W1I6E26V8R5X9 |
| (R5X102) | ○ | CA86 | B40C9 | M7F8 | W1I8E26V8R5X9 |
| (R5X097) | ◇ | CA86 | B41C9 | M7F8 | W1I8E26V8R5X9 |

| ALP ° | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 15.2450 | INCHES |
| BREF | 37.9677 | INCHES |
| XMPP | 43.5374 | INCHES |
| YMPP | .0000 | INCHES |
| ZMPP | 15.1675 | INCHES |
| SCALE | .0405 | SCALE |

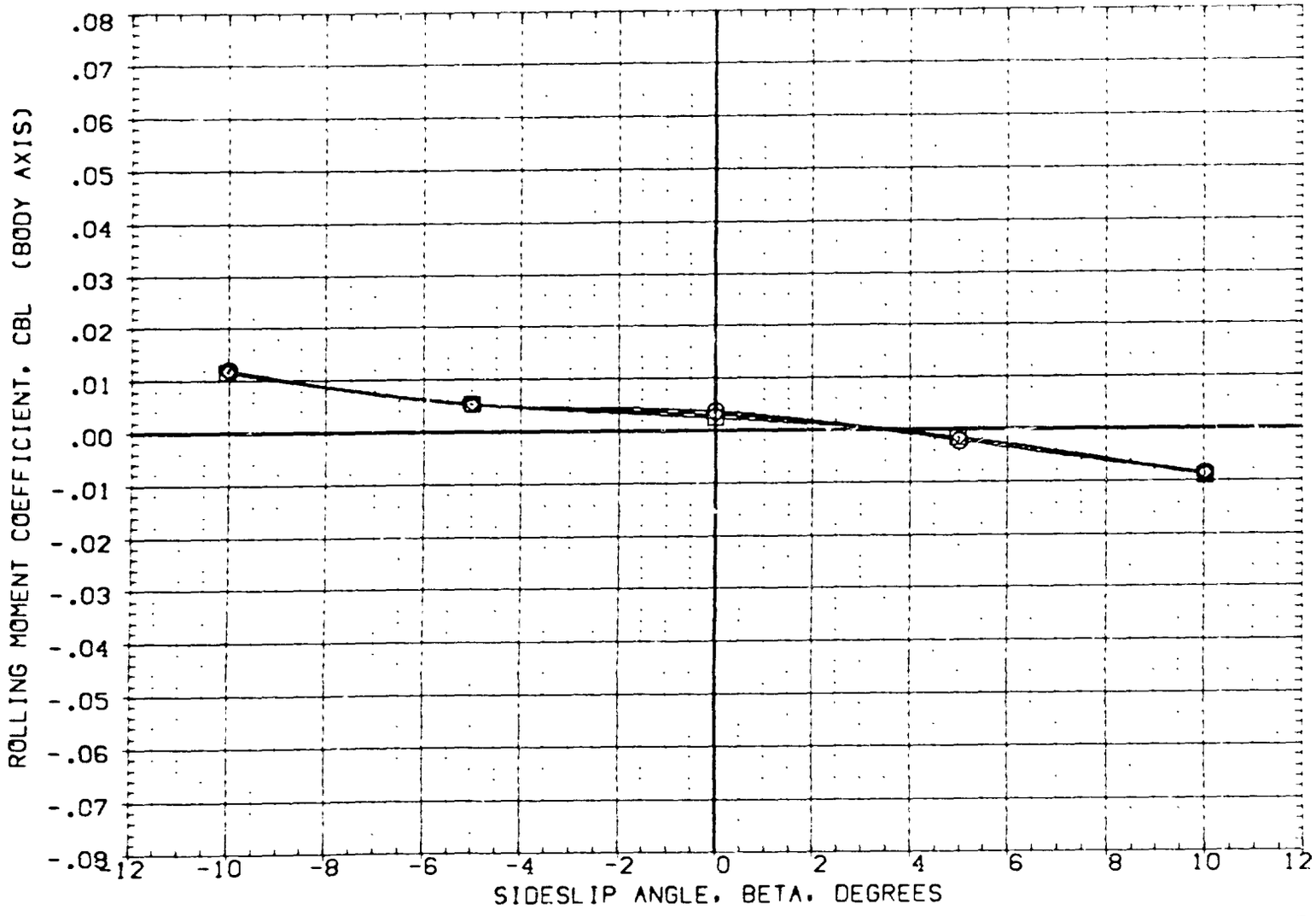



FIG 40 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR. ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX004) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCX103) | □ | 0A86 | B40C9 | M7F8 | W118E26V8R5X9 |
| (RCX098) | ◇ | 0A86 | B41C9 | M7F8 | W118E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

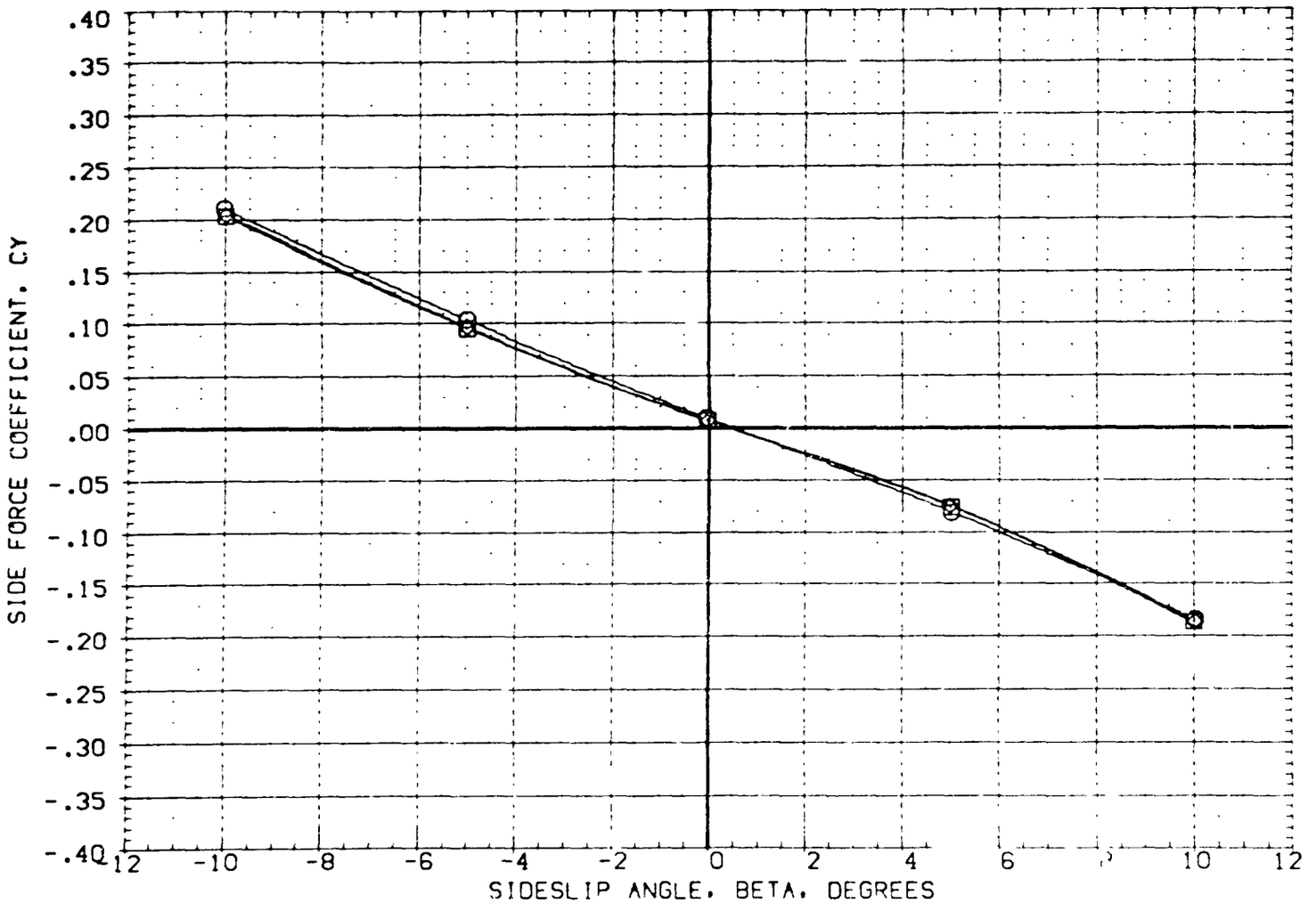



FIG 41 EFFECT OF FREE STREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 10

(A)MACH = .20

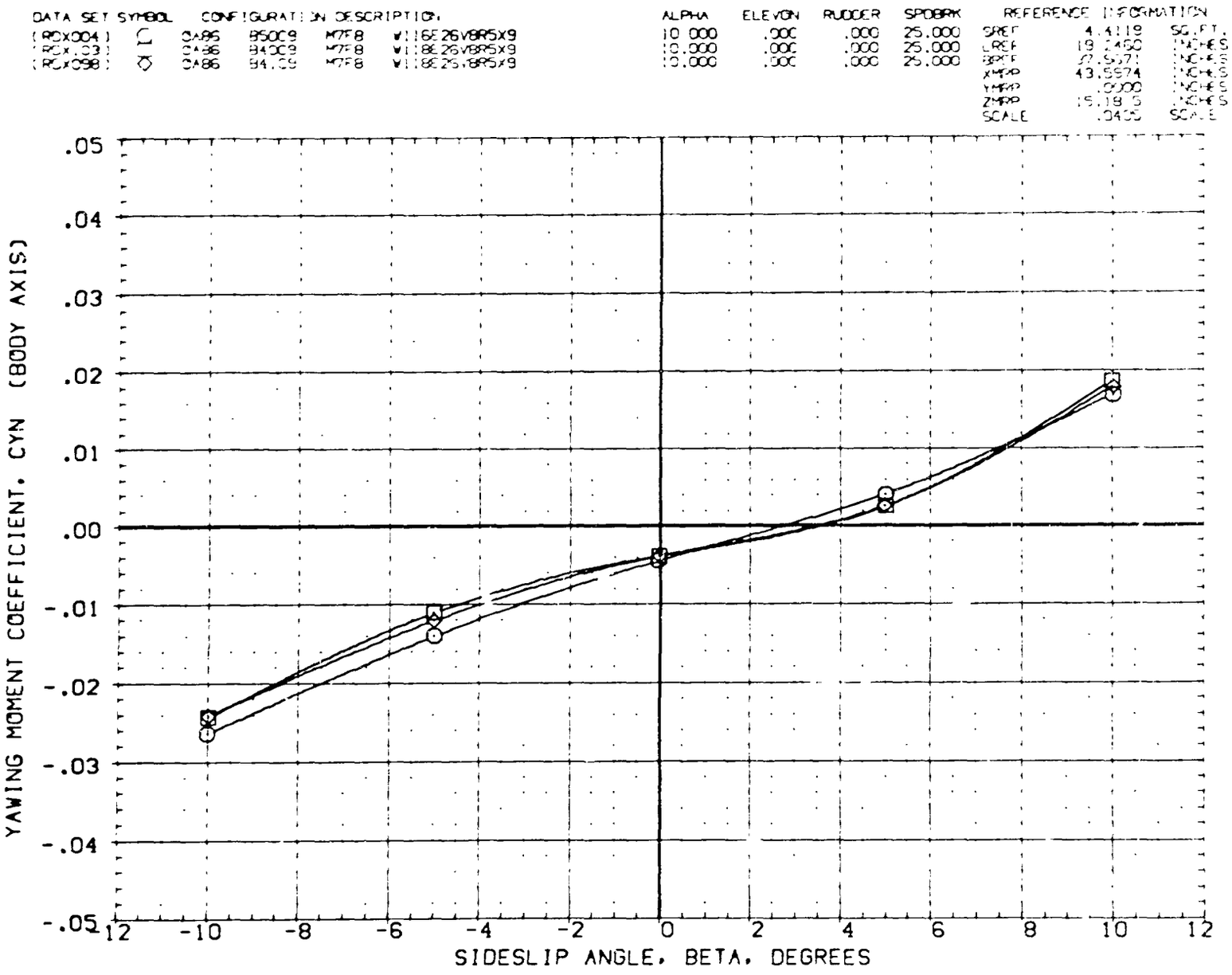



FIG 41 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX004) | □ | 0A86 | B50C9 | M7F8 | W11GE26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX103) | ○ | 0A86 | B40C9 | M7F8 | W11BE26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX098) | ◇ | 0A86 | B41C9 | M7F8 | W11BE26V8R5X9 | 10.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967. | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

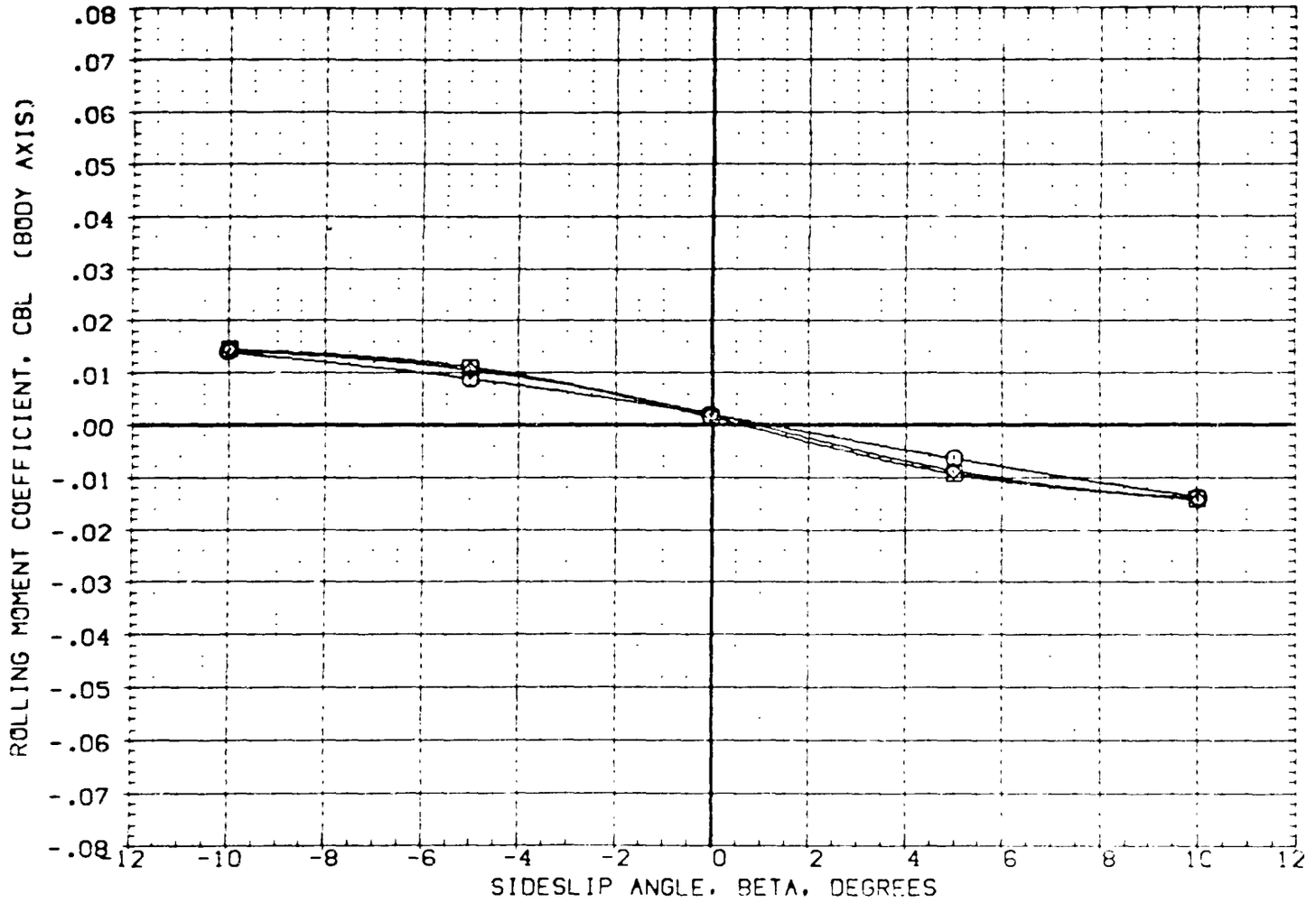



FIG 41 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR. ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX005) | □ | CA86 | B50C9 | M7F8 | W1:5E26V8R5X9 |
| (RCX014) | ○ | CA86 | B40C9 | M7F8 | W1:8E26V8R5X9 |
| (RCX099) | ◇ | CA86 | B41C9 | M7F8 | W1:8E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2450 | INCHES |
| BREF | 37.5927 | INCHES |
| XMRP | 43.5774 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1855 | INCHES |
| SCALE | .0435 | SCALE |

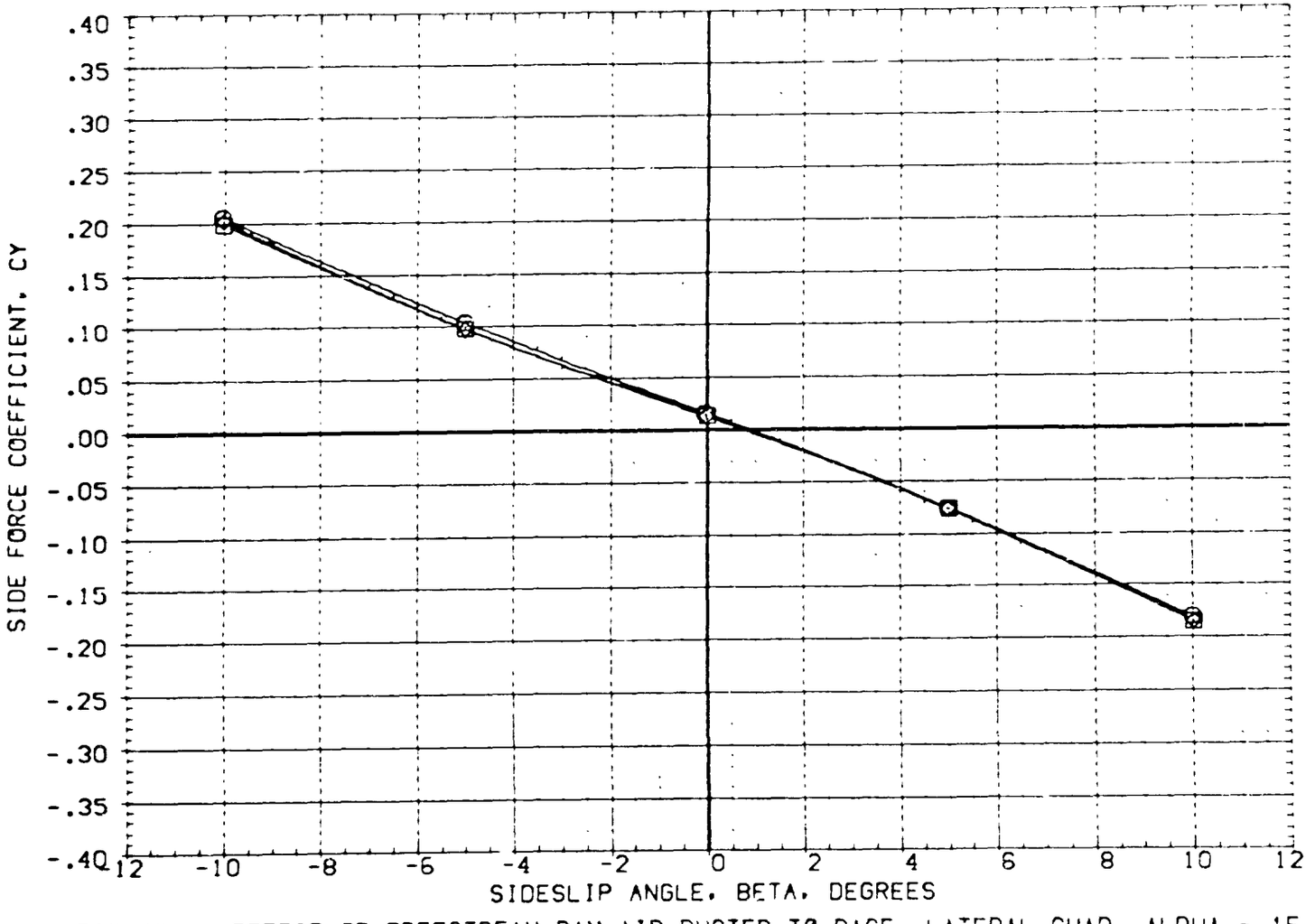



FIG 42 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX005) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX104) | ◇ | 0A86 | B41CC9 | M7F8 | W118E26V8R5X9 |
| (ROX099) | ◇ | 0A86 | B41C9 | M7F8 | W118E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBR( |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

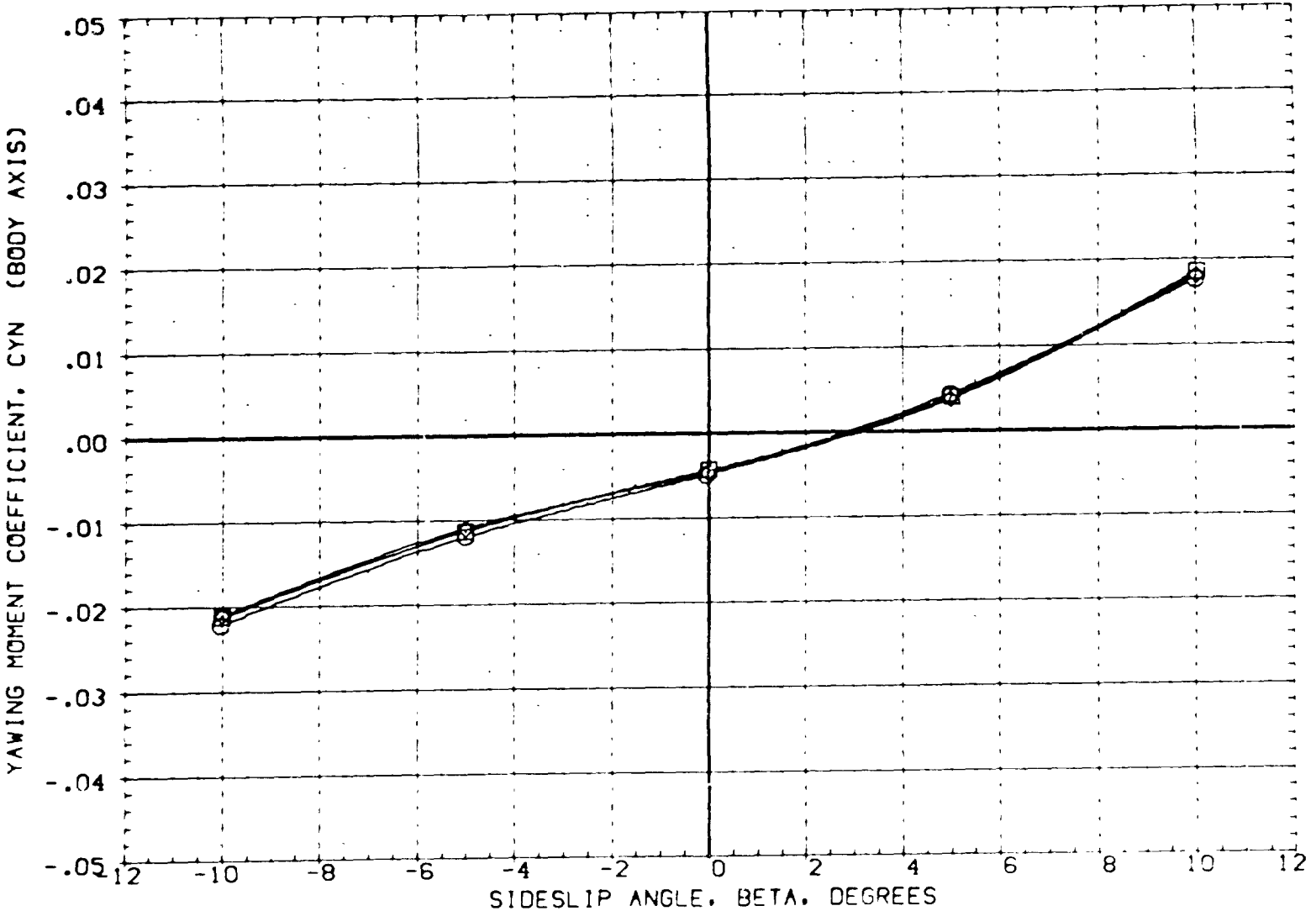



FIG 42 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX005) | ⊡ | 0486 | 950C9 | M7F8 | W116E26V8R5X9 |
| (RDX104) | ◇ | 0486 | P420C9 | M7F8 | W118E26V8R5X9 |
| (RDX099) | ⊡ | 0486 | B410C9 | M7F8 | W118E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2160 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5574 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | .5.1815 | INCHES |
| SCALE | .0400 | SCALE |

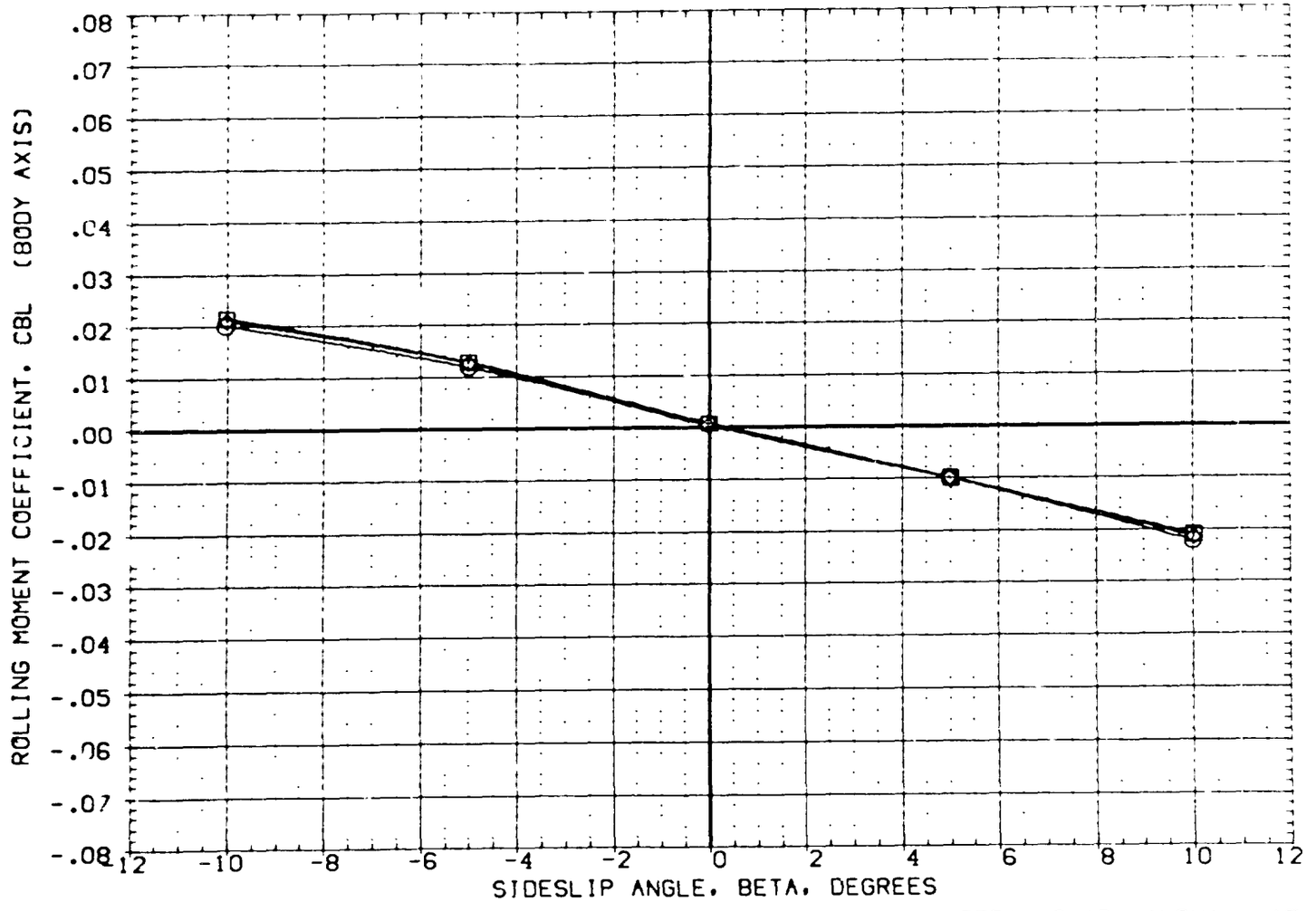



FIG 42 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, LATERAL CHAR, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX085) | □ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (ADX090) | ◇ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

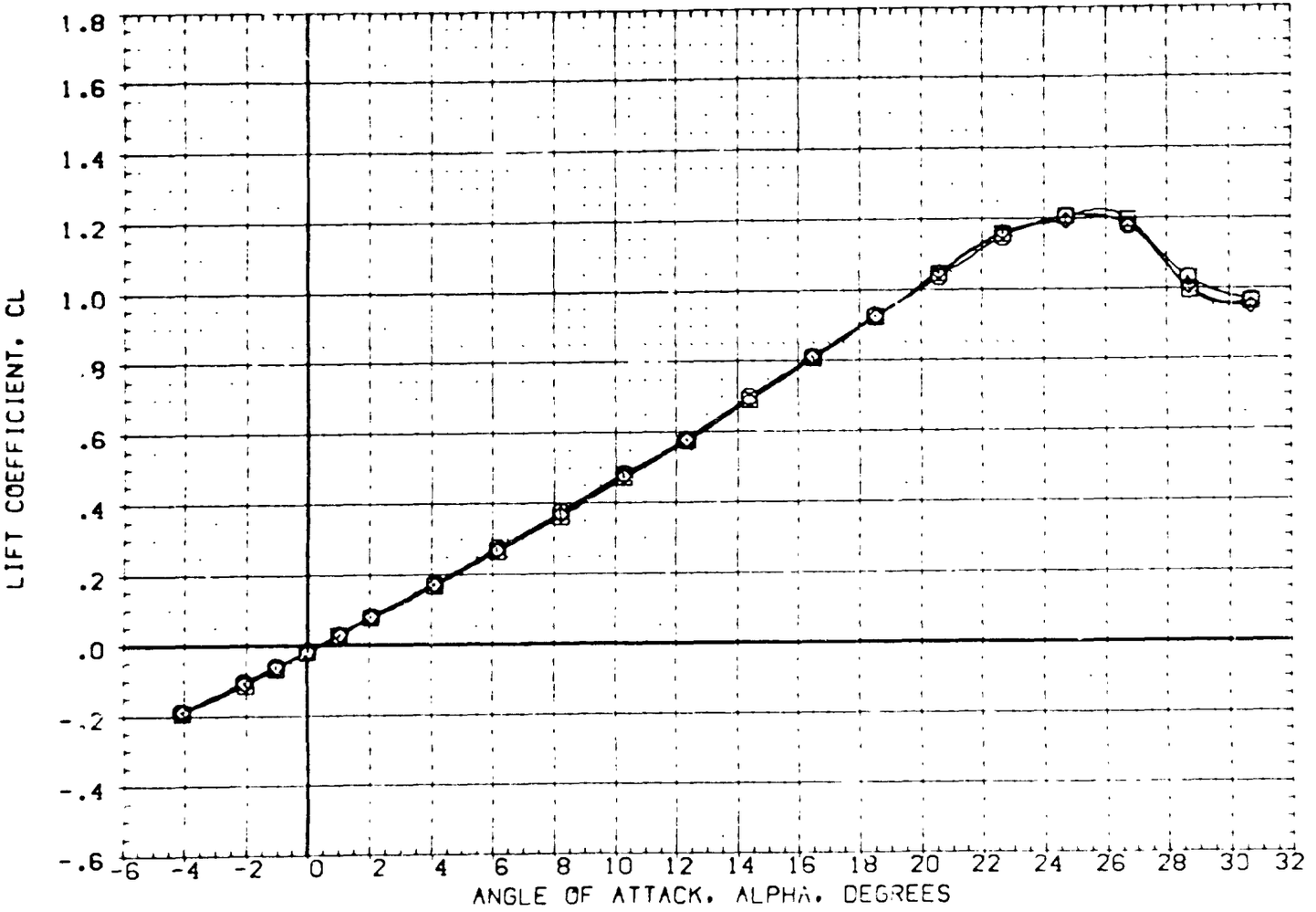



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

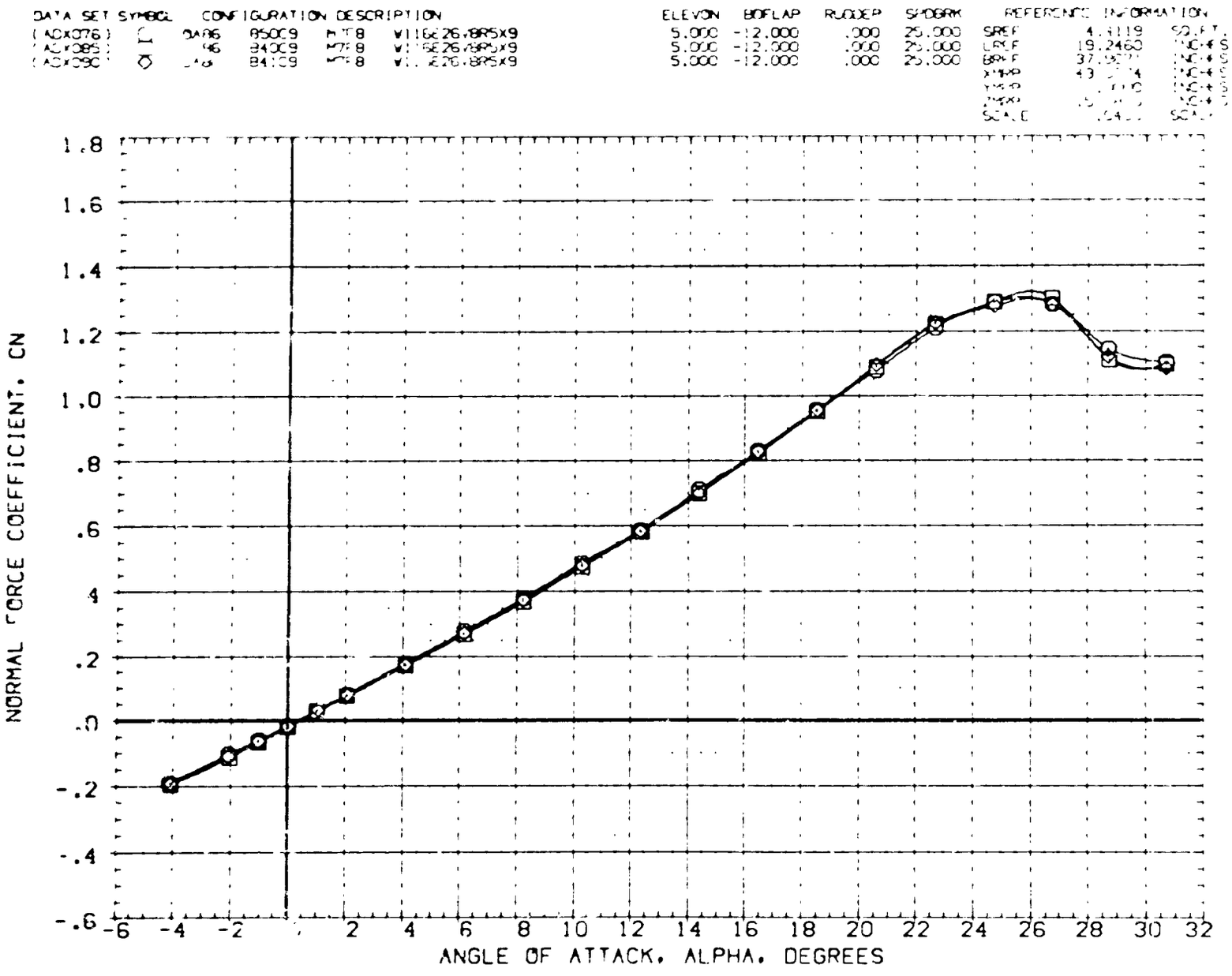



FIG 13 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|---|
| (ADX075) | □ | 0A86 | 85OC9 | M7F8 | W116E26V8R5X9 | |
| (ADX085) | ◁ | 0A86 | 84OC9 | M7F8 | W116E26V8R5X9 | |
| (ADX090) | ◇ | 0A86 | 84IC9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

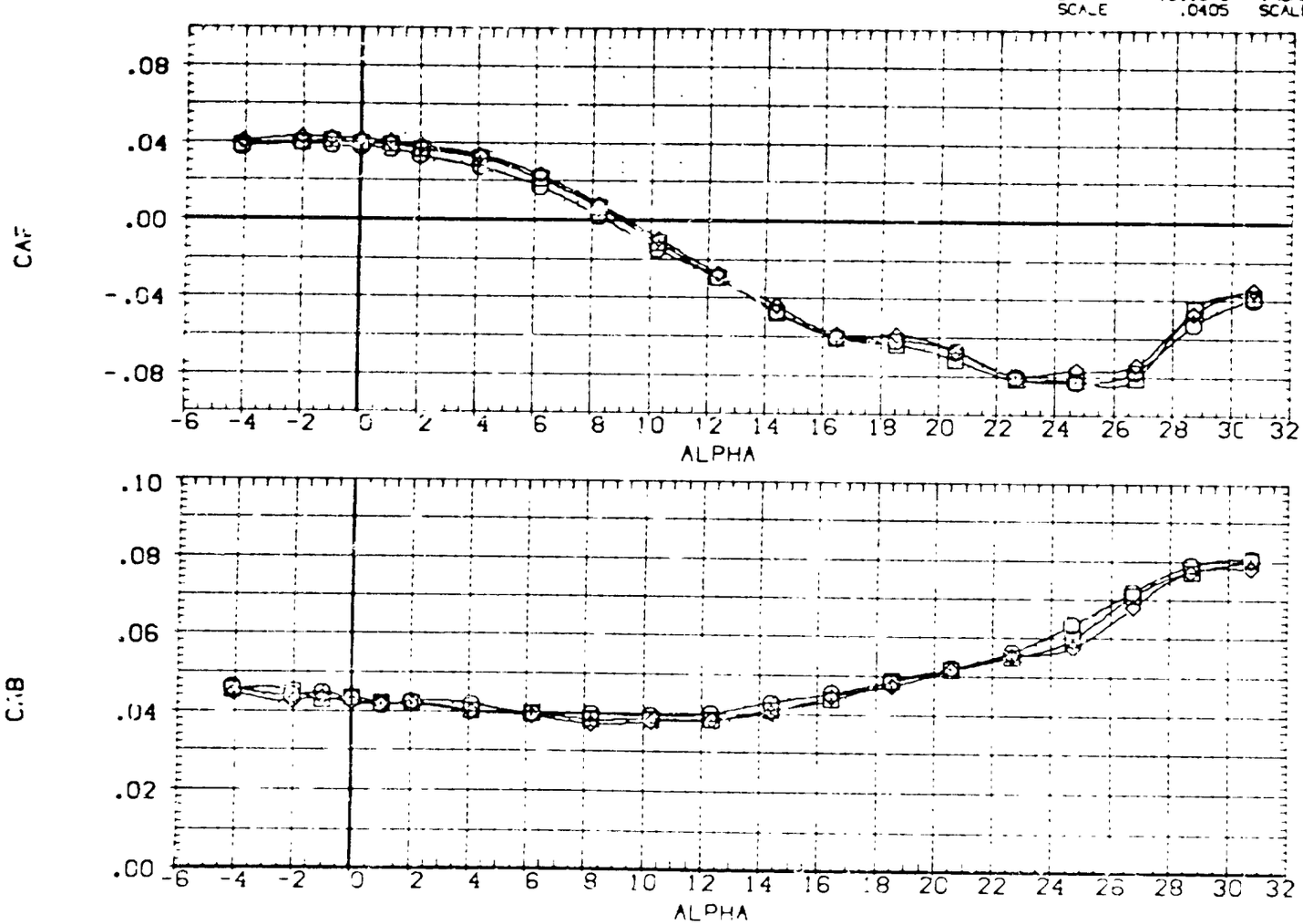



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

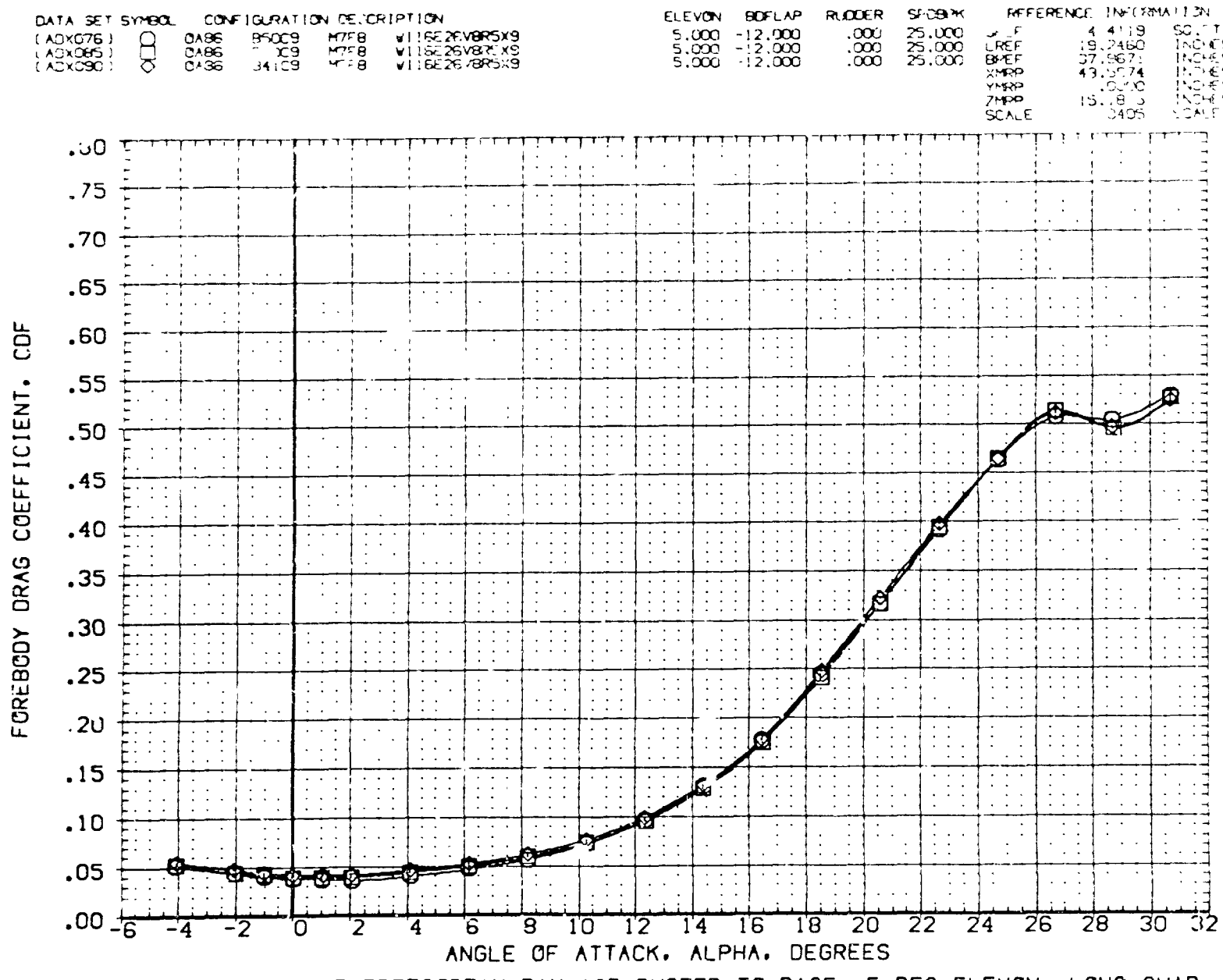



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | □ | 0A86 | B5[illegible]C9 | M7F8 | W116E26V8R5X9 |
| (ADX085) | ◁□ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (ADX090) | ◇ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

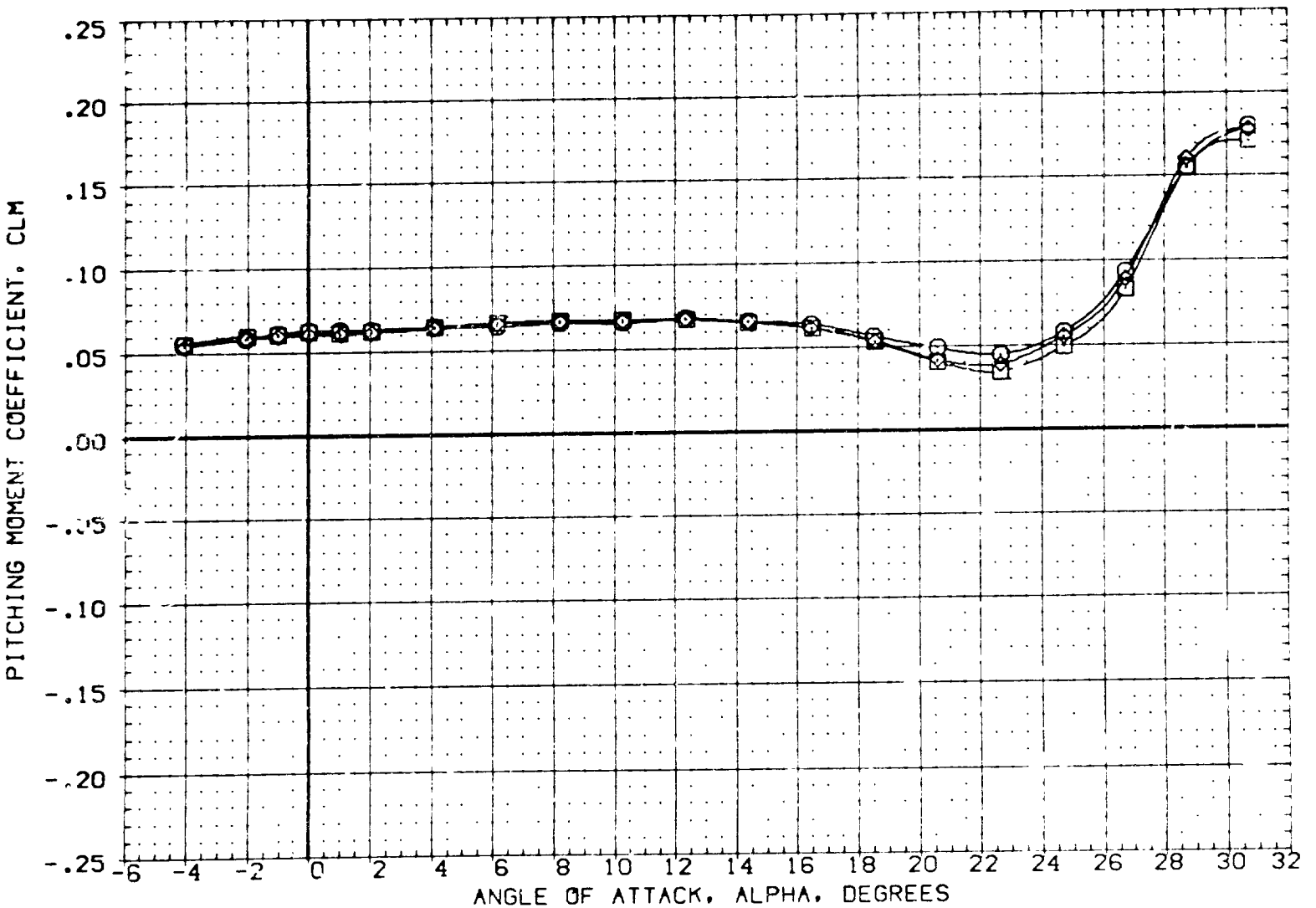



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX085) | □ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (ADX090) | ◇ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040S | SCALE |

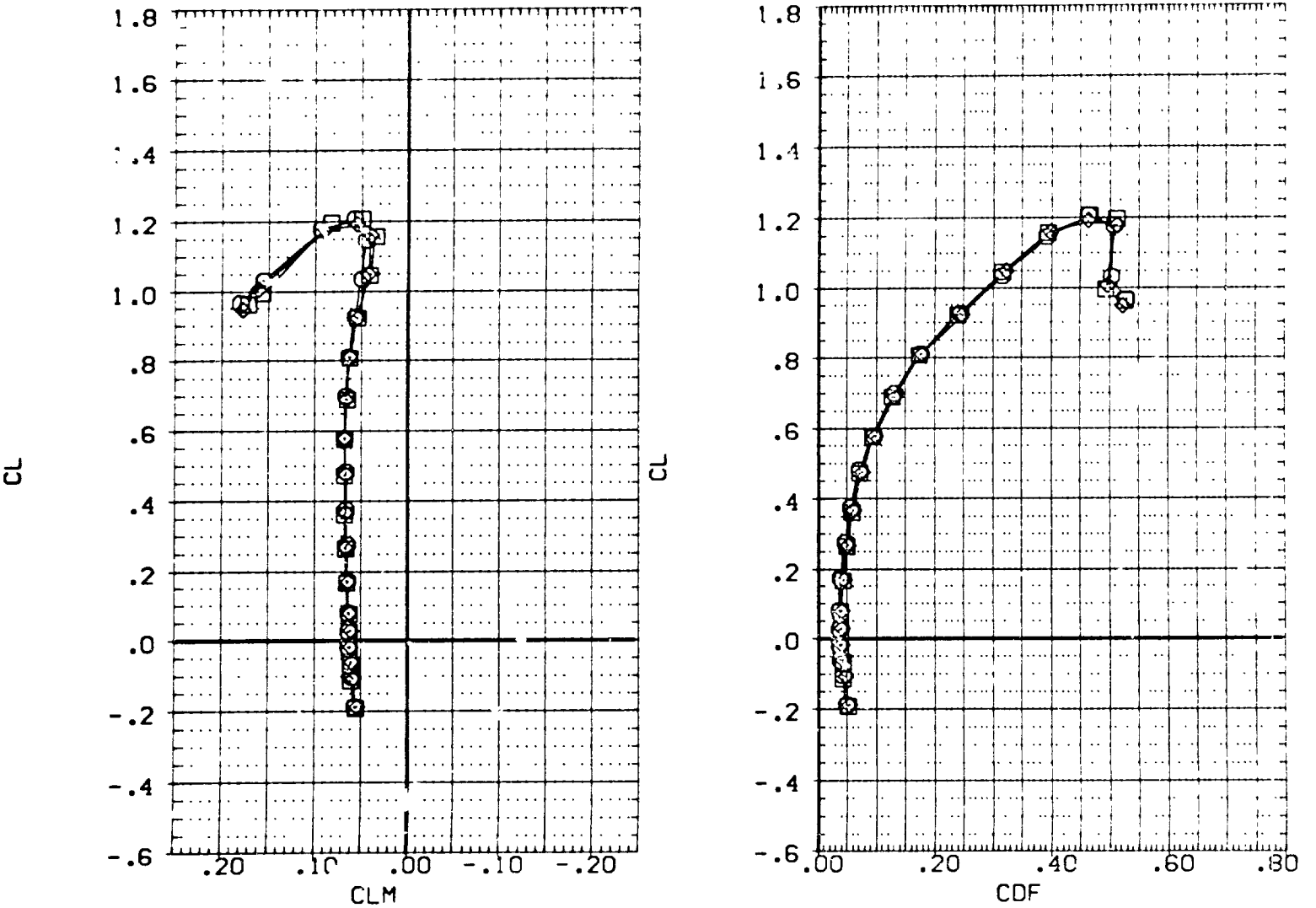



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

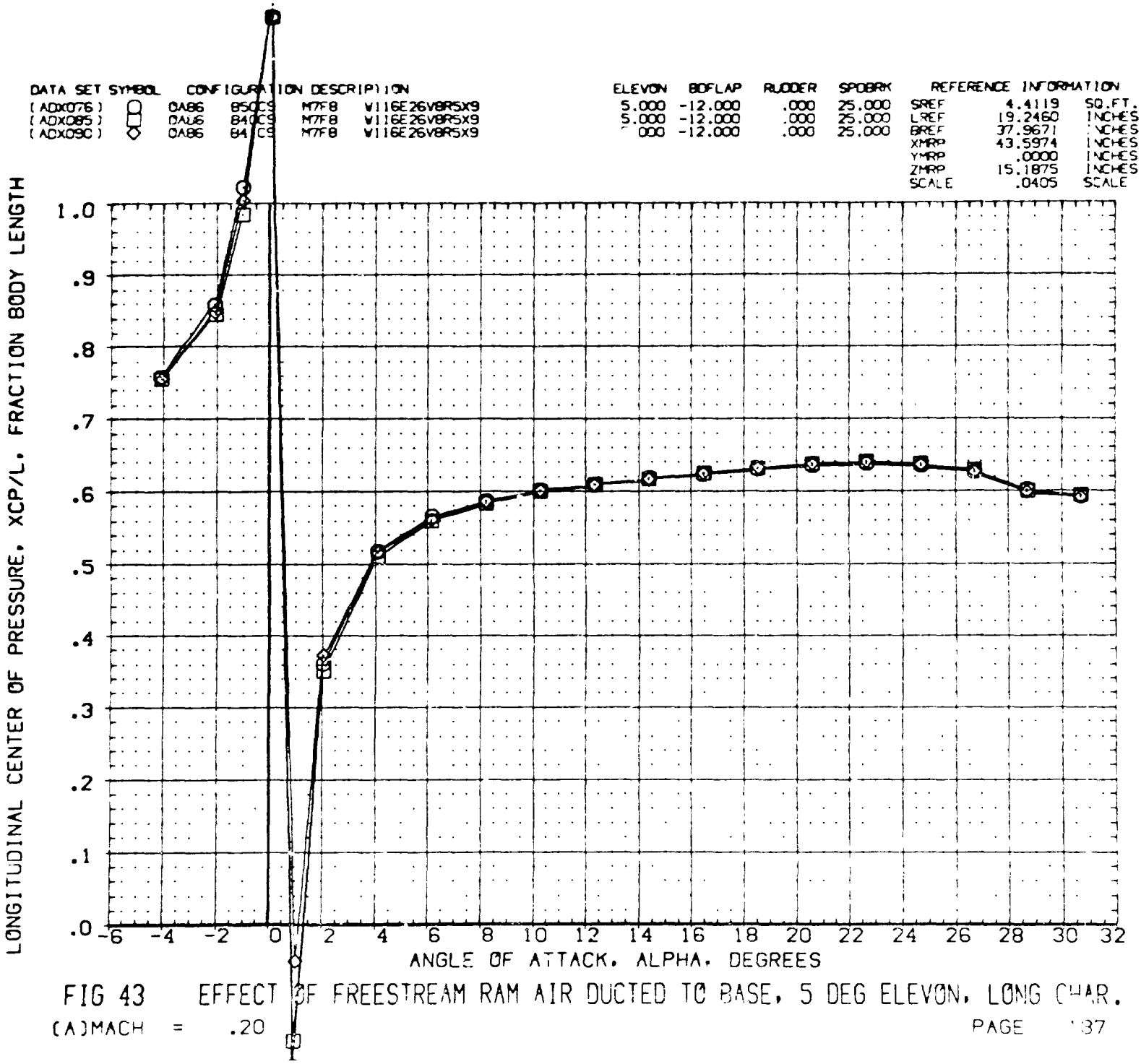



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX076) | ▢ | OAB6 | B50C9 | M7F8 | W116E26VBR5X9 |
| (ADX085) | ▢ | OAB6 | B40C9 | M7F8 | W116E26VBR5X9 |
| (ADX090) | ◇ | OAB6 | B41C9 | M7F8 | W116E26VBR5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2450 | INCHES |
| BREF | 37.5571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

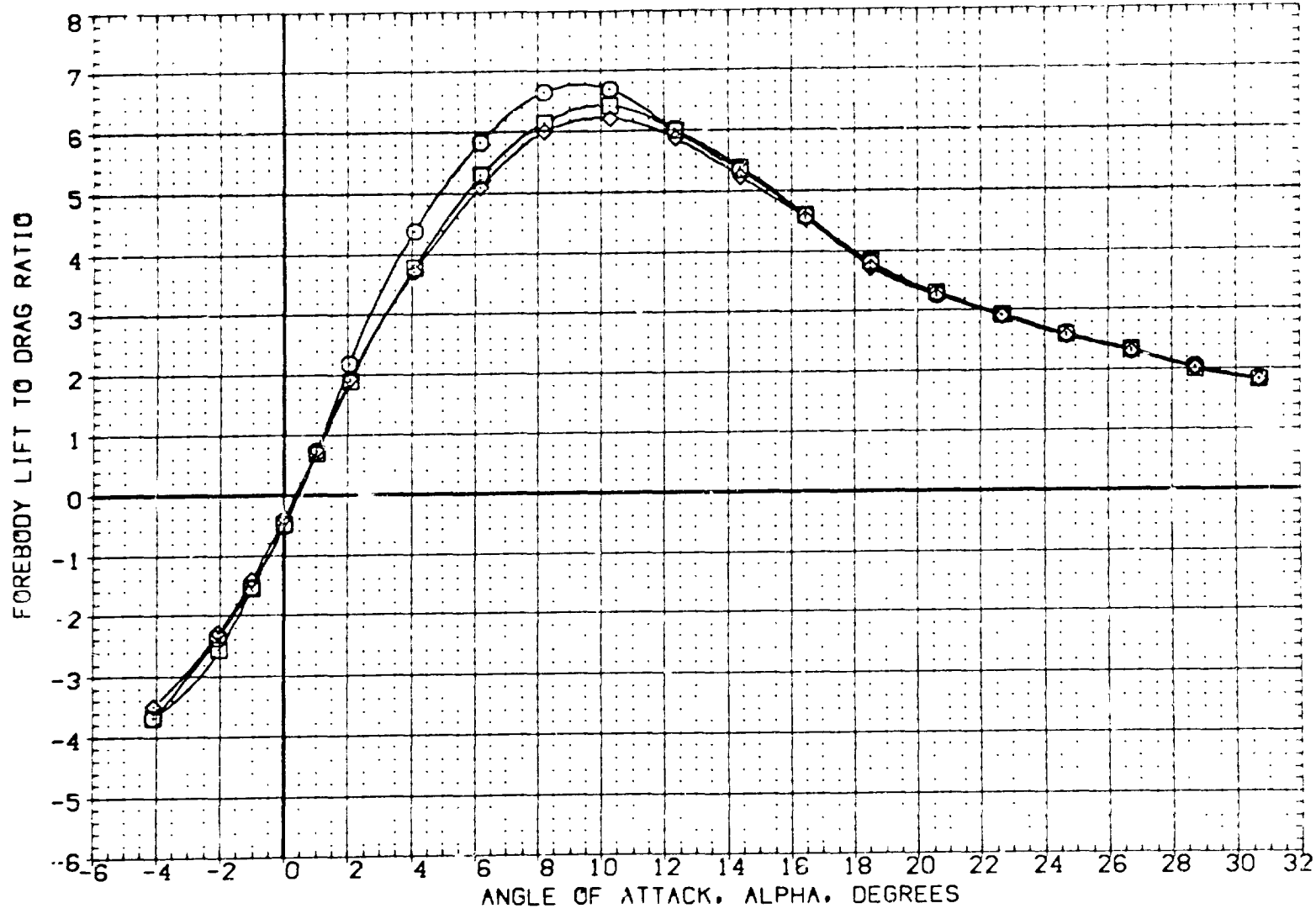



FIG 43 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, LONG CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX086) | ○ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (RDX091) | □ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 |
| (RDX087) | ◇ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (RDX092) | △ | 0A86 | B41C9 | M7F8 | W116E23V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOILR |
|---|---|---|---|
| .000 | 5.000 | .000 | 25.000 |
| .000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

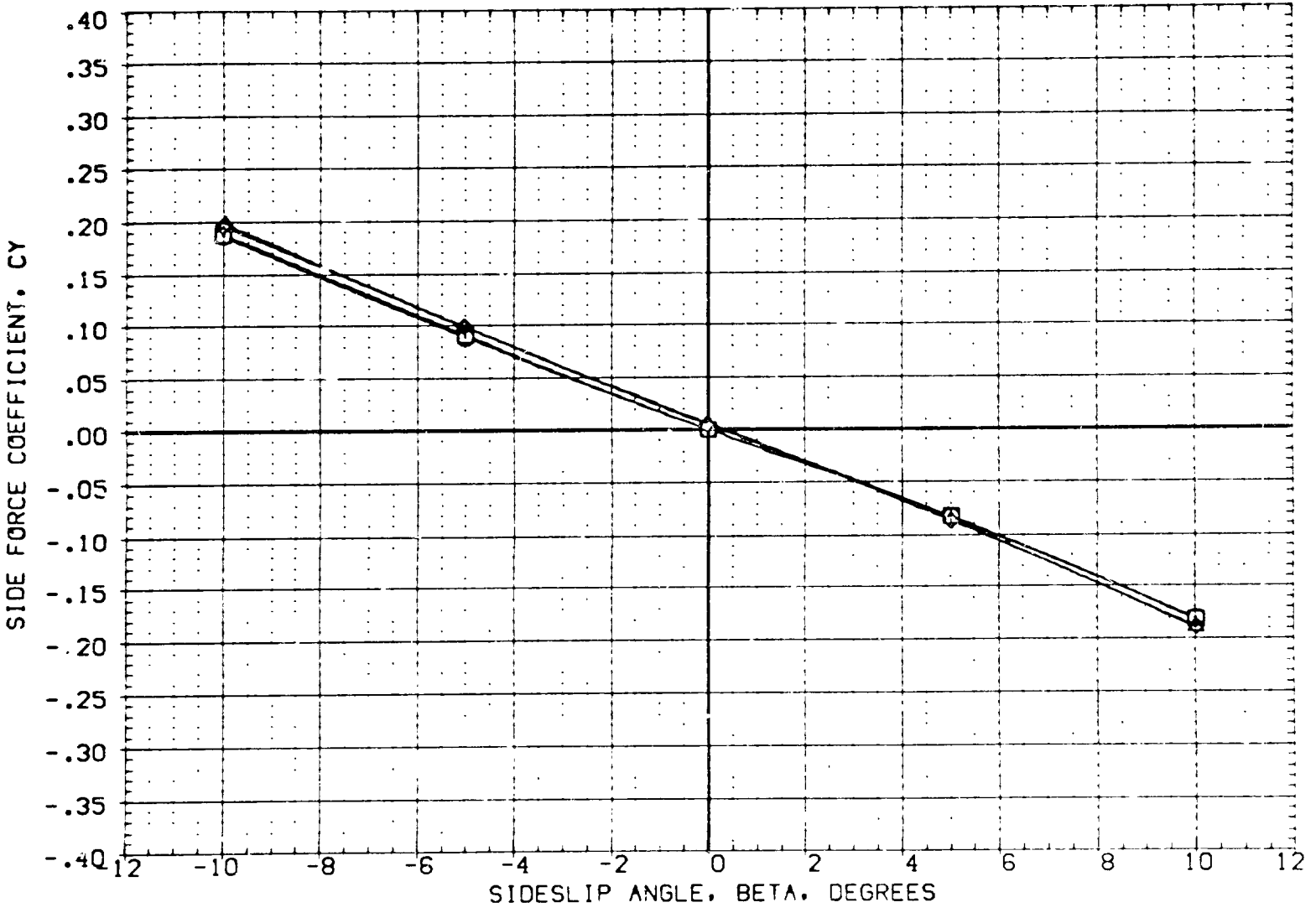



FIG 44 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, ALPHA = 0,5

(A)MACH = .20

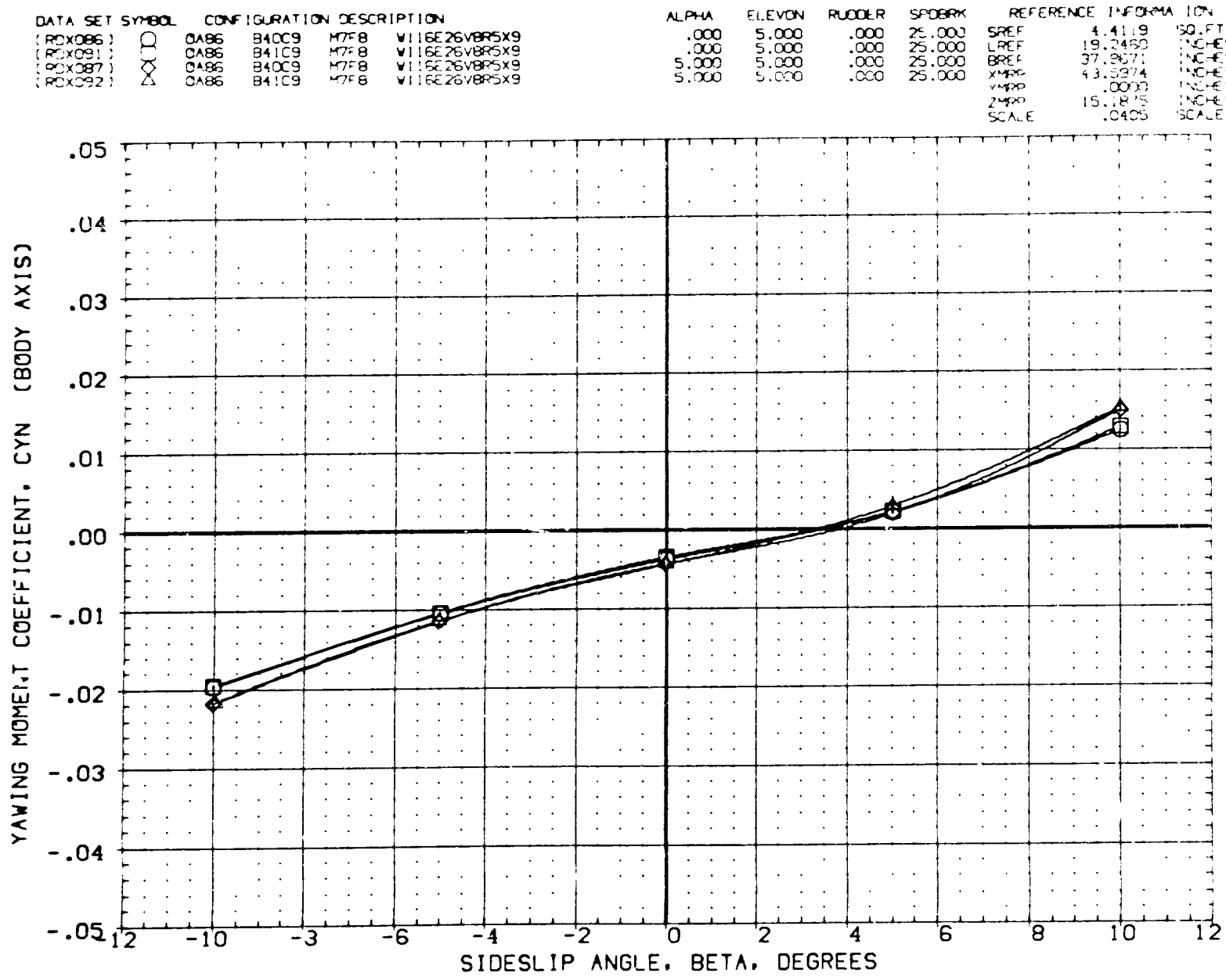



FIG 44 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, ALPHA = 0.5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R0X086) | □ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (R0X091) | ⊠ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 |
| (R0X087) | ◇ | 0A86 | B40C9 | M7F8 | W116E26V8R5X9 |
| (R0X092) | △ | 0A86 | B41C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | 25.000 |
| .000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |
| 5.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

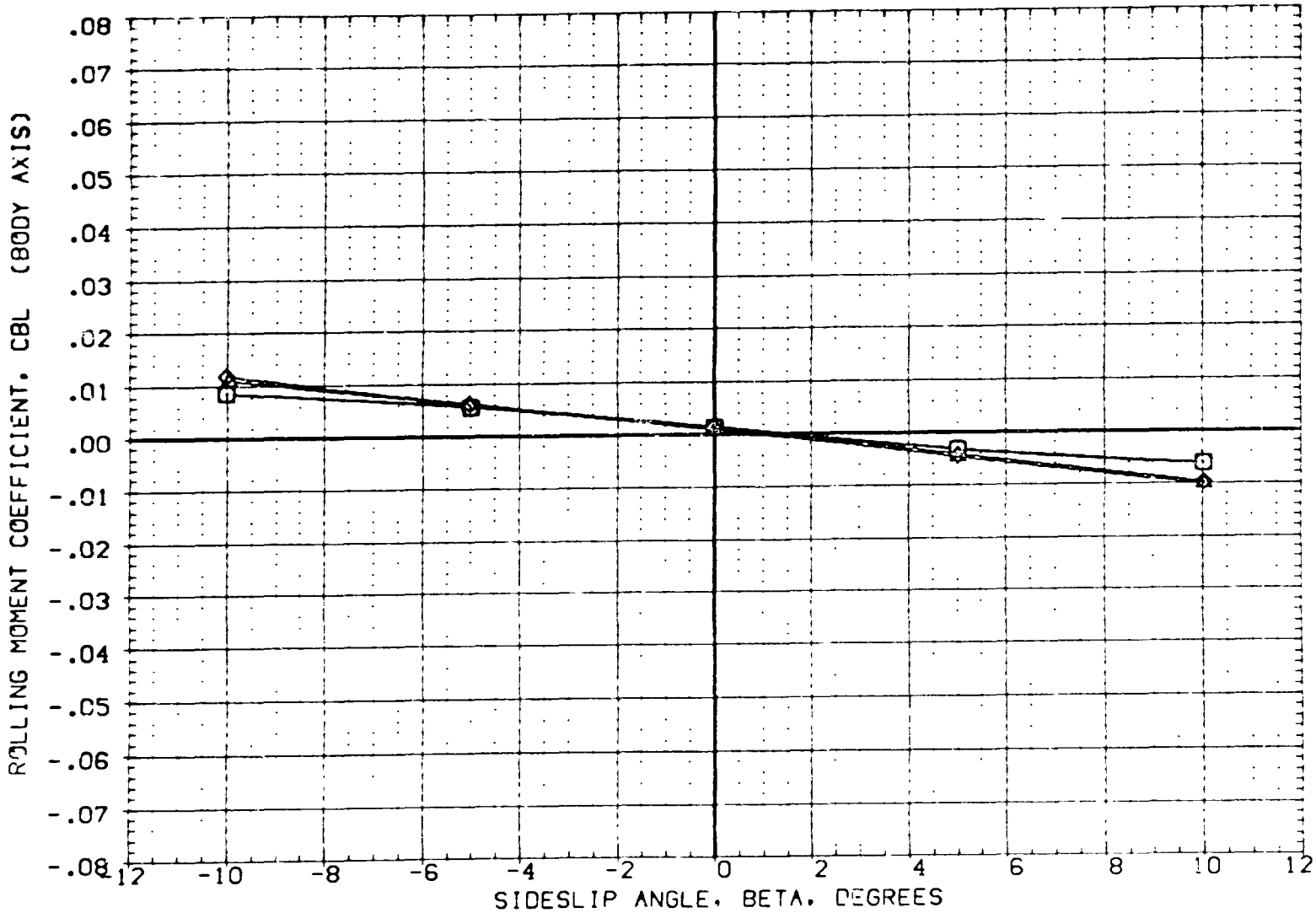



FIG 44 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, ALPHA = 0.5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX088) | □ | 0A86 | B40C9 | M7F8 | W11E526V8R5X9 |
| (ROX093) | ◇ | 0A86 | B41C9 | M7F8 | W11E526V8R5X9 |
| (ROX089) | ⊠ | 0A86 | B40C9 | M7F8 | W11E526V8R5X9 |
| (ROX094) | △ | 0A86 | B41C9 | M7F8 | W11E526V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | 5.000 | 000 | 25.000 |
| 10.000 | 5.000 | 000 | 25.000 |
| 15.000 | 5.000 | .000 | 25.000 |
| 15.000 | 5.000 | 000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.6871 | INCHES |
| XMRP | 43.5574 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1865 | INCHES |
| SCALE | .0405 | SCALE |

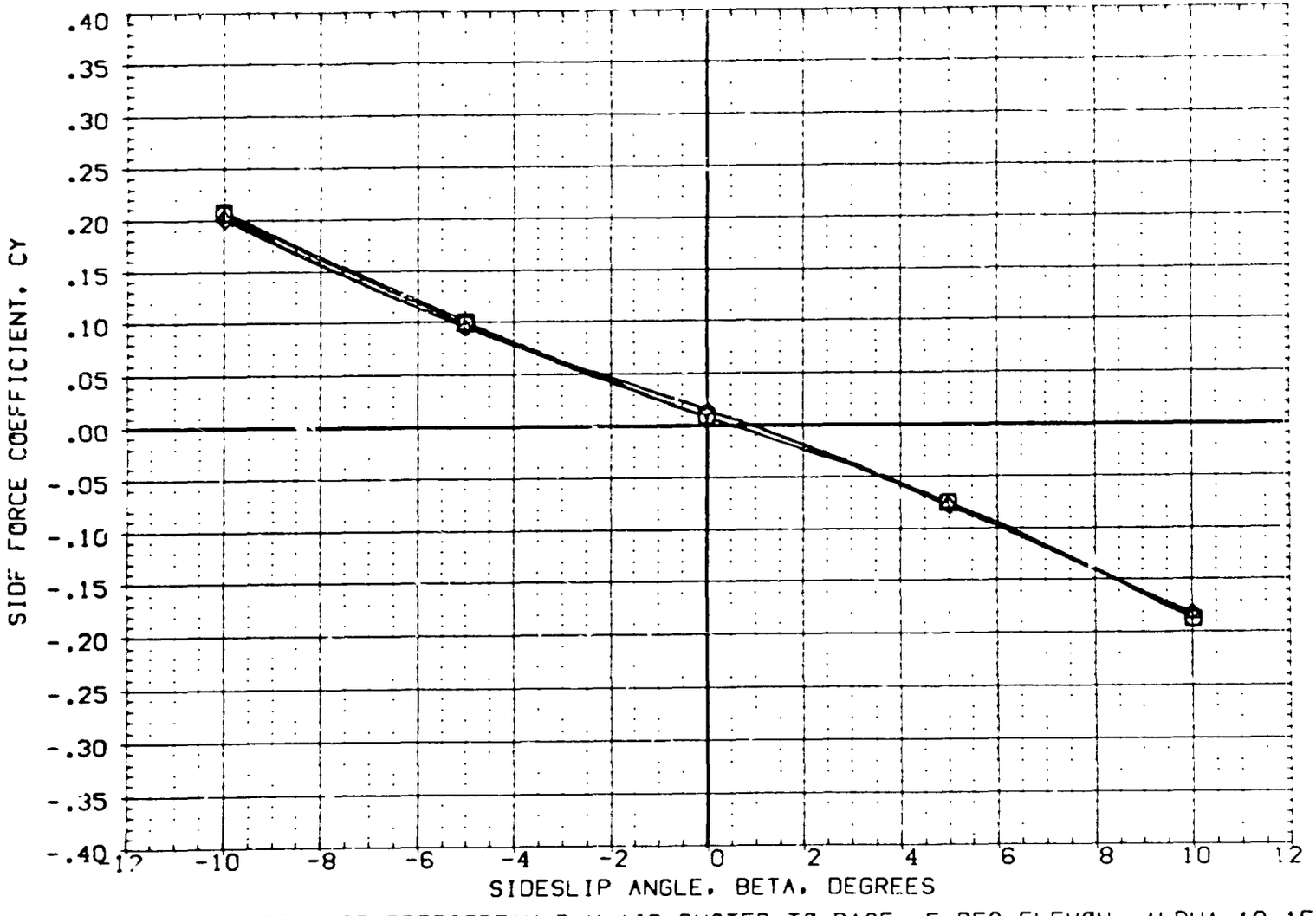



FIG 45 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, ALPHA=10,15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX088) | | 0A86 | 840C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | 25.000 |
| (ROX093) | | 0A86 | 841C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | 25.000 |
| (ROX089) | | 0A86 | 840C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | 25.000 |
| (ROX094) | | 0A86 | 841C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 1.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

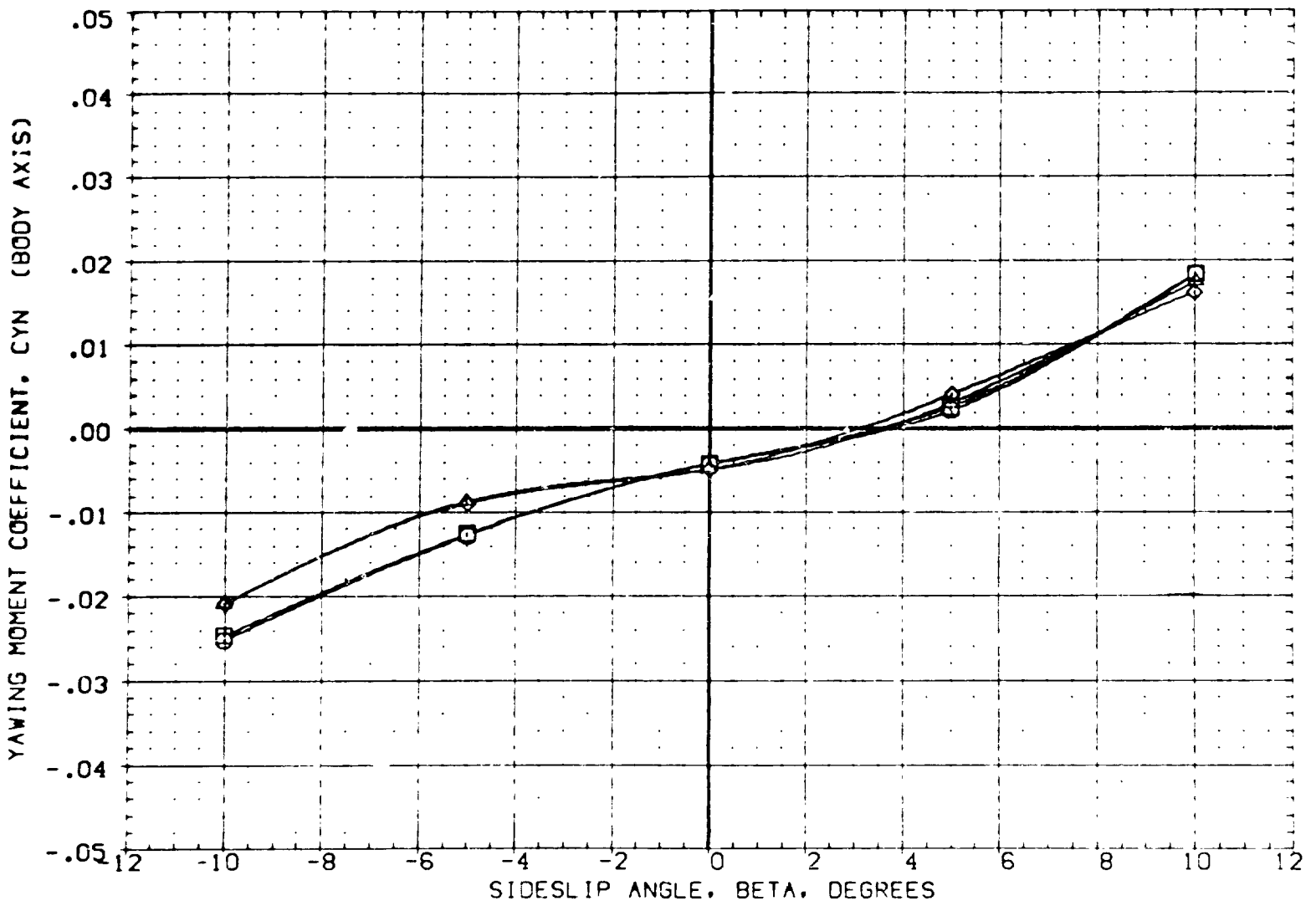



FIG 45 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, ALPHA=10,15

(A)MACH = .20

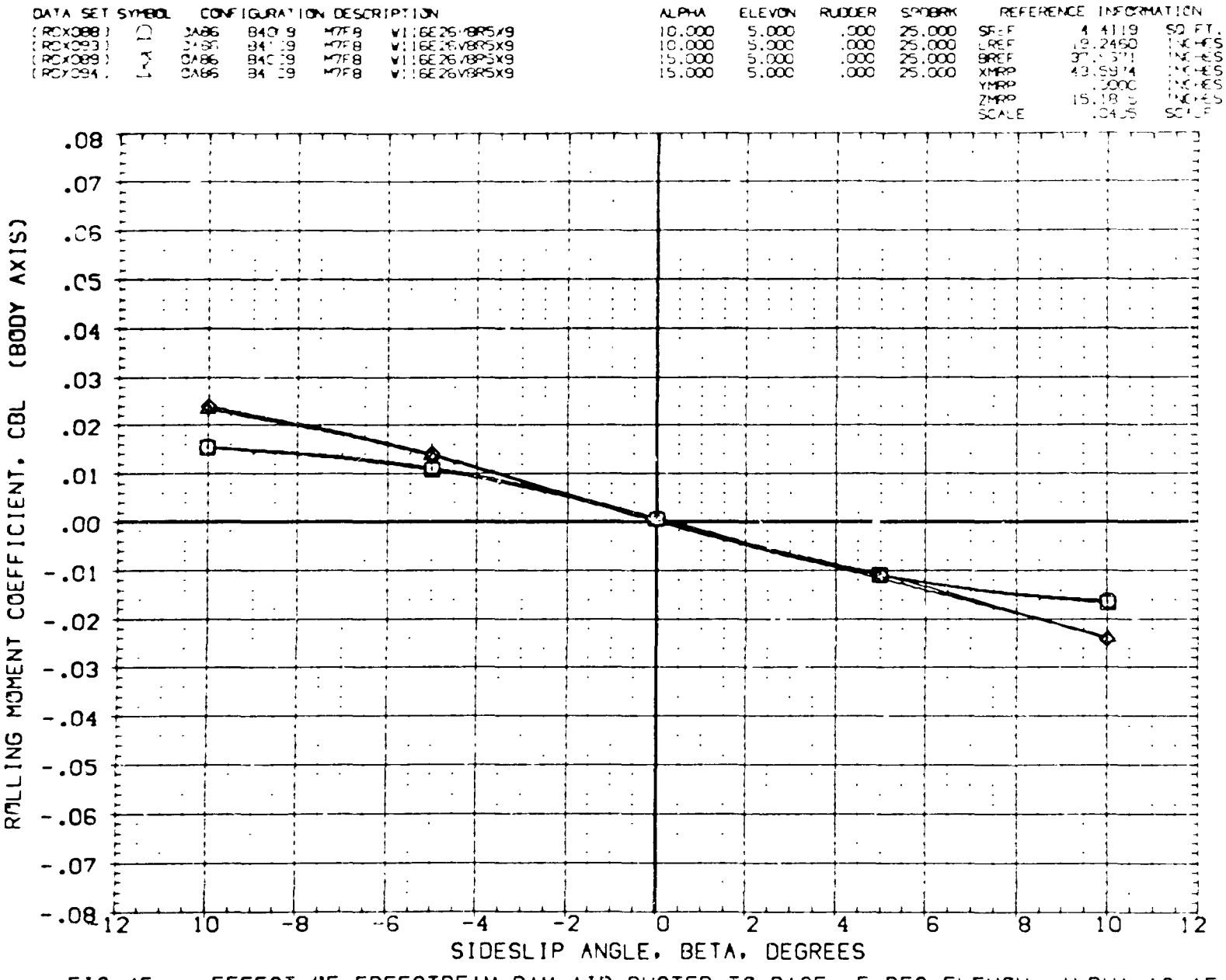



FIG 45 EFFECT OF FREESTREAM RAM AIR DUCTED TO BASE, 5 DEG ELEVON, ALPHA=10,15

( )MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOX154) | □ | OAB6 | B46C9 | M7F8 | W116E26V8R5X9 |
| (AOX175) | ⊠ | OAB6 | B46C9 | M7F8 | W116E26V8R5X9 |
| (AOX170) | ⋈ | OAB6 | B46C9 | M7F8 | W116E26V8R5X9 |
| (AOX165) | △ | OAB6 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | N2FLOW | SPOILRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

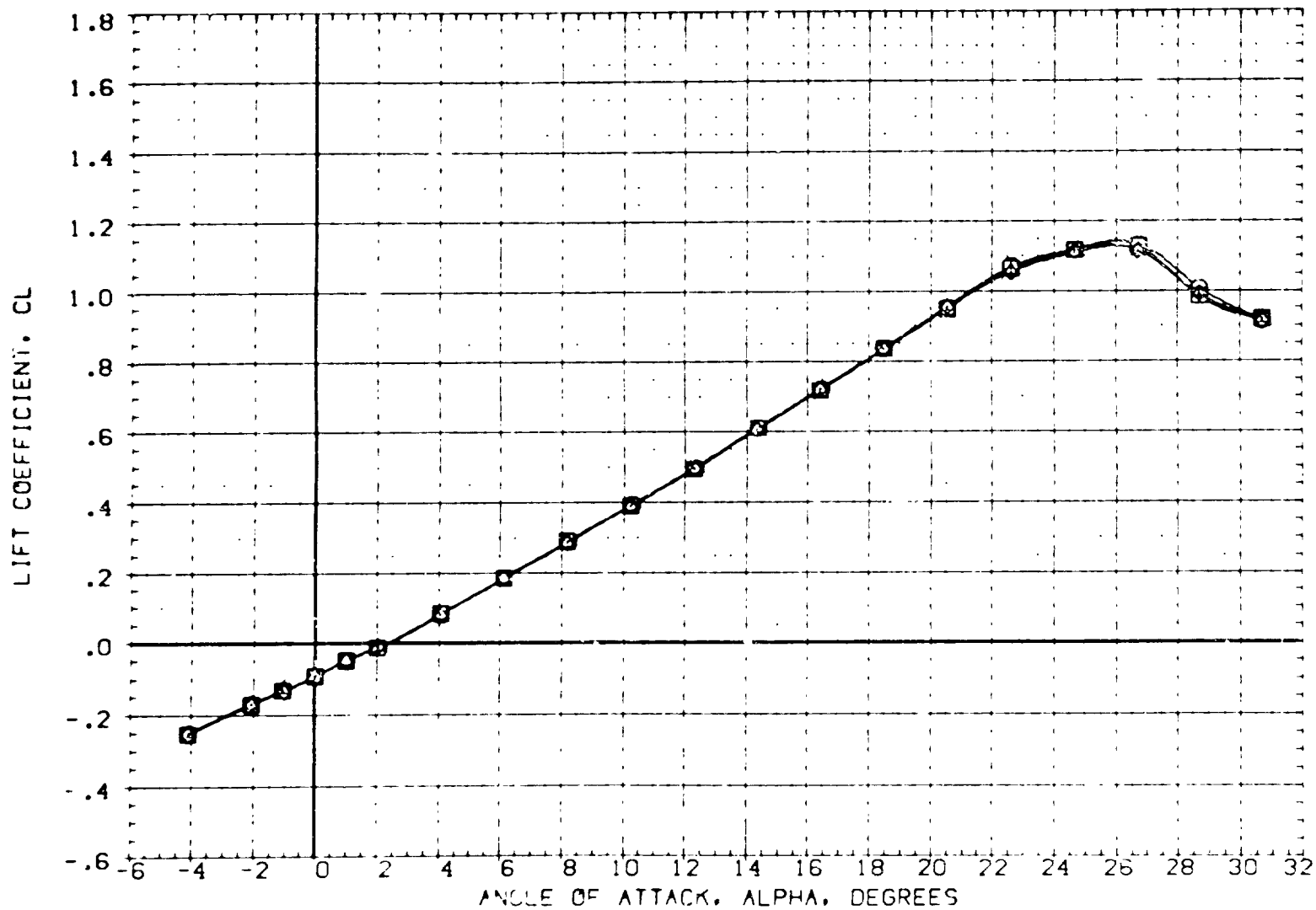



FIG 46 EFFECT OF NITRO[illegible] WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERIST[illegible]S

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] |

| ELEVON | BODFLAP | NOZZLE | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .060 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4 [illegible] | SQ FT |
| LREF | 19.[illegible] | INCHES |
| BREF | 37.[illegible] | INCHES |
| XMRP | 43.[illegible] | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.[illegible] | INCHES |
| SCALE | .[illegible] | SCALE |

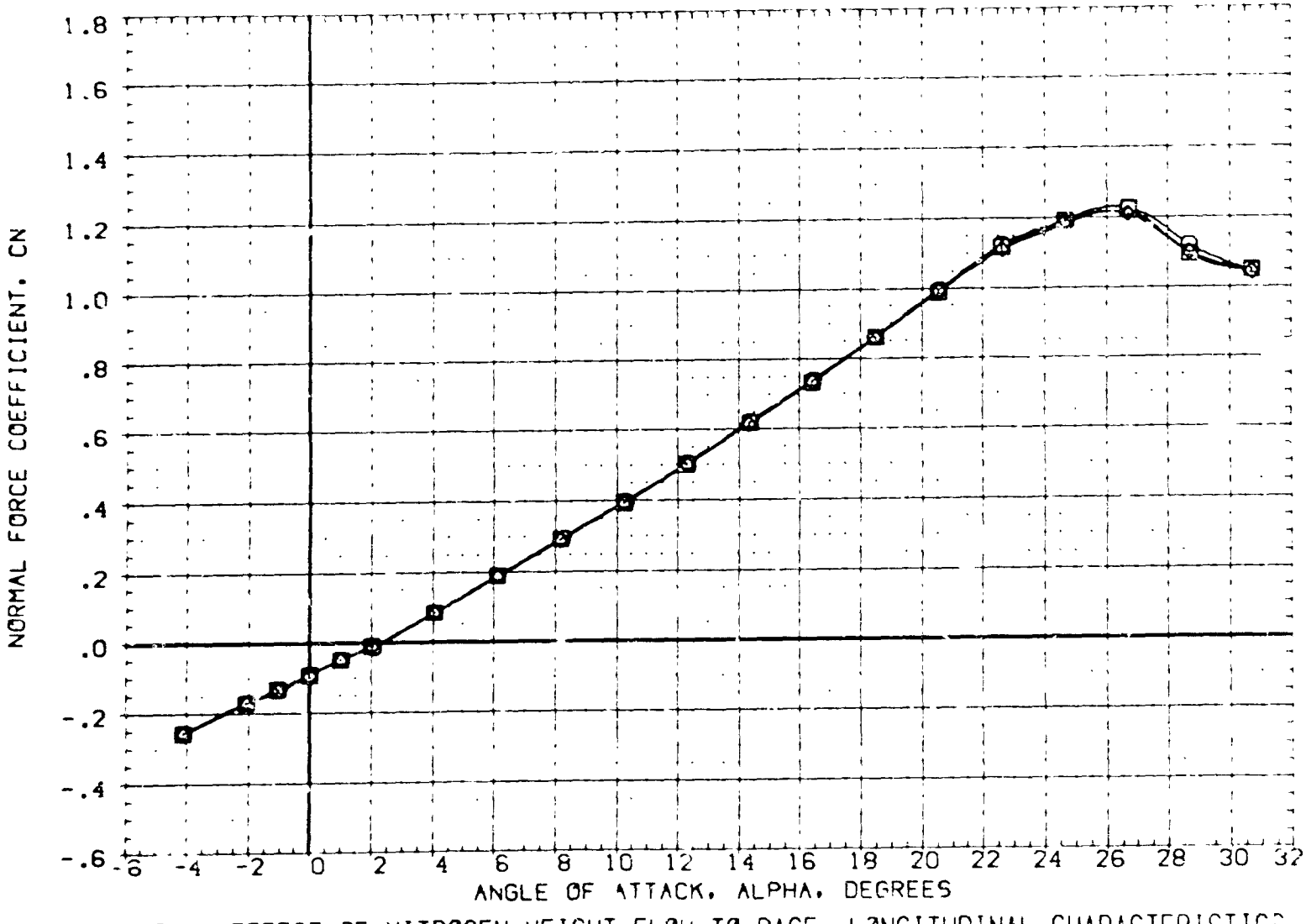



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|
| (ADX154) | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX[illegible]) | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX170) | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX,65) | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| .050 | -12.000 | | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1975 | INCHES |
| SCALE | .0405 | SCALE |

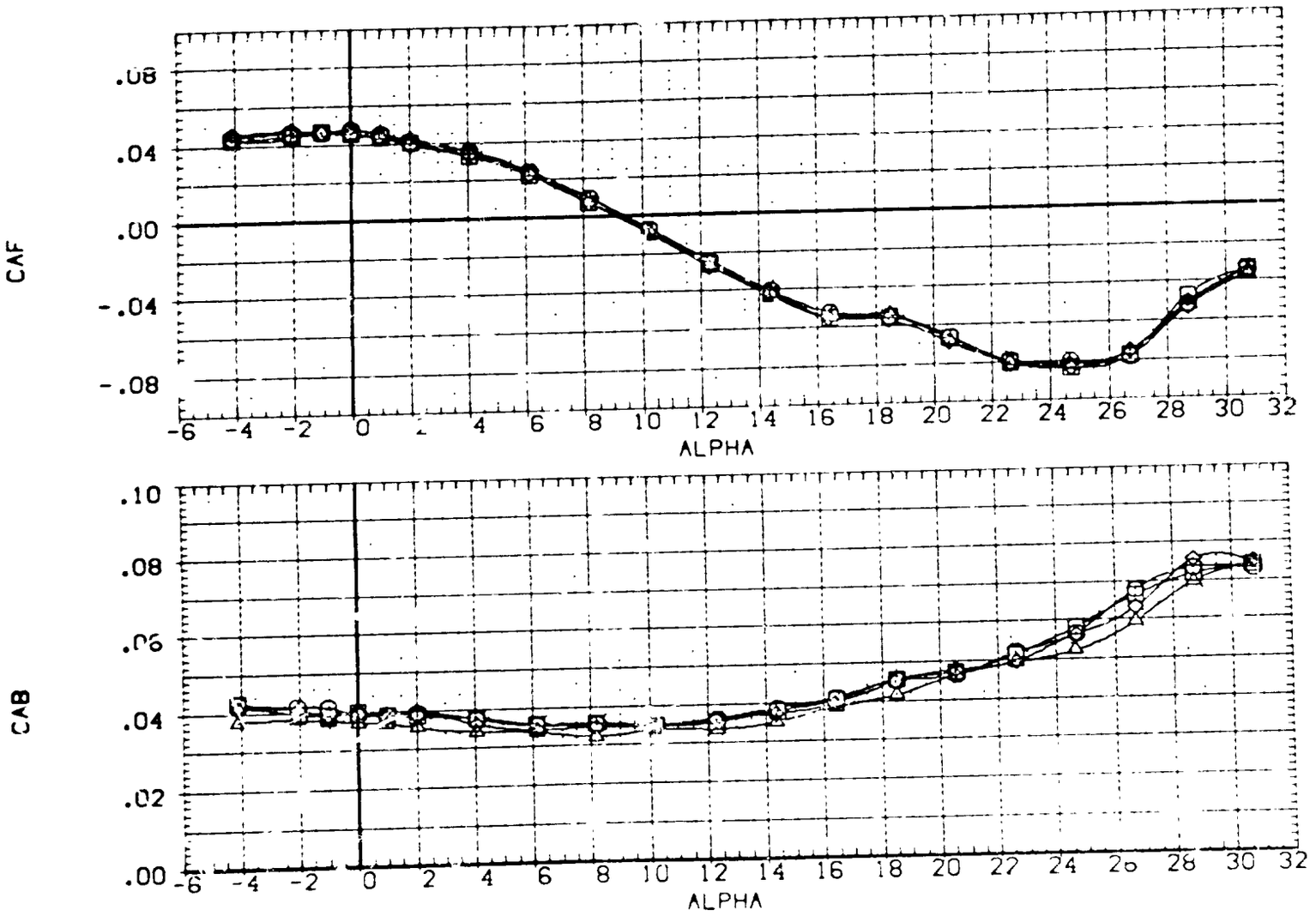



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

C-4

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX154) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX175) | ◇ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX170) | ○ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX165) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| CLEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

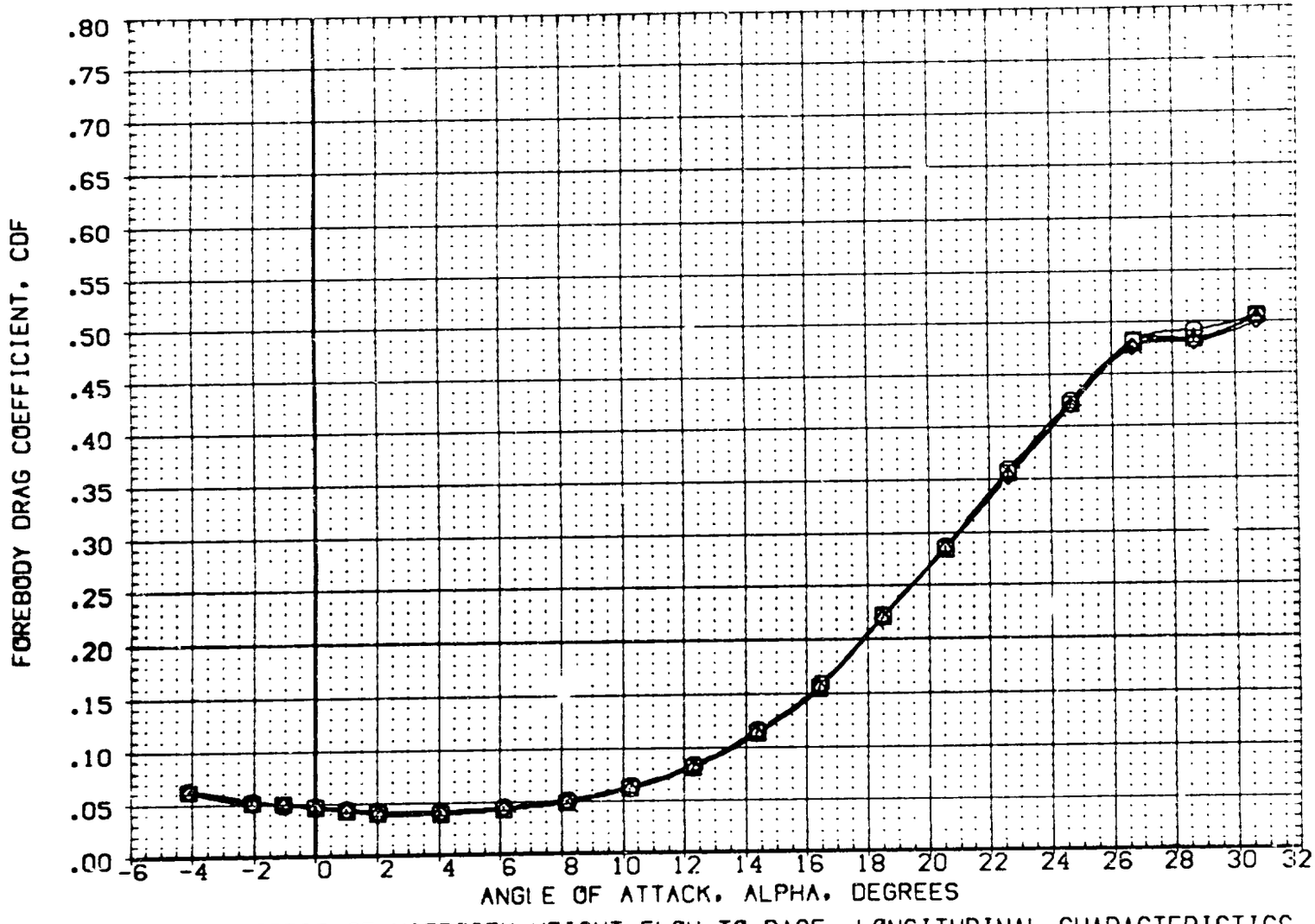



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX154) | ○ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX175) | □ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX170) | ◇ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX165) | △ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

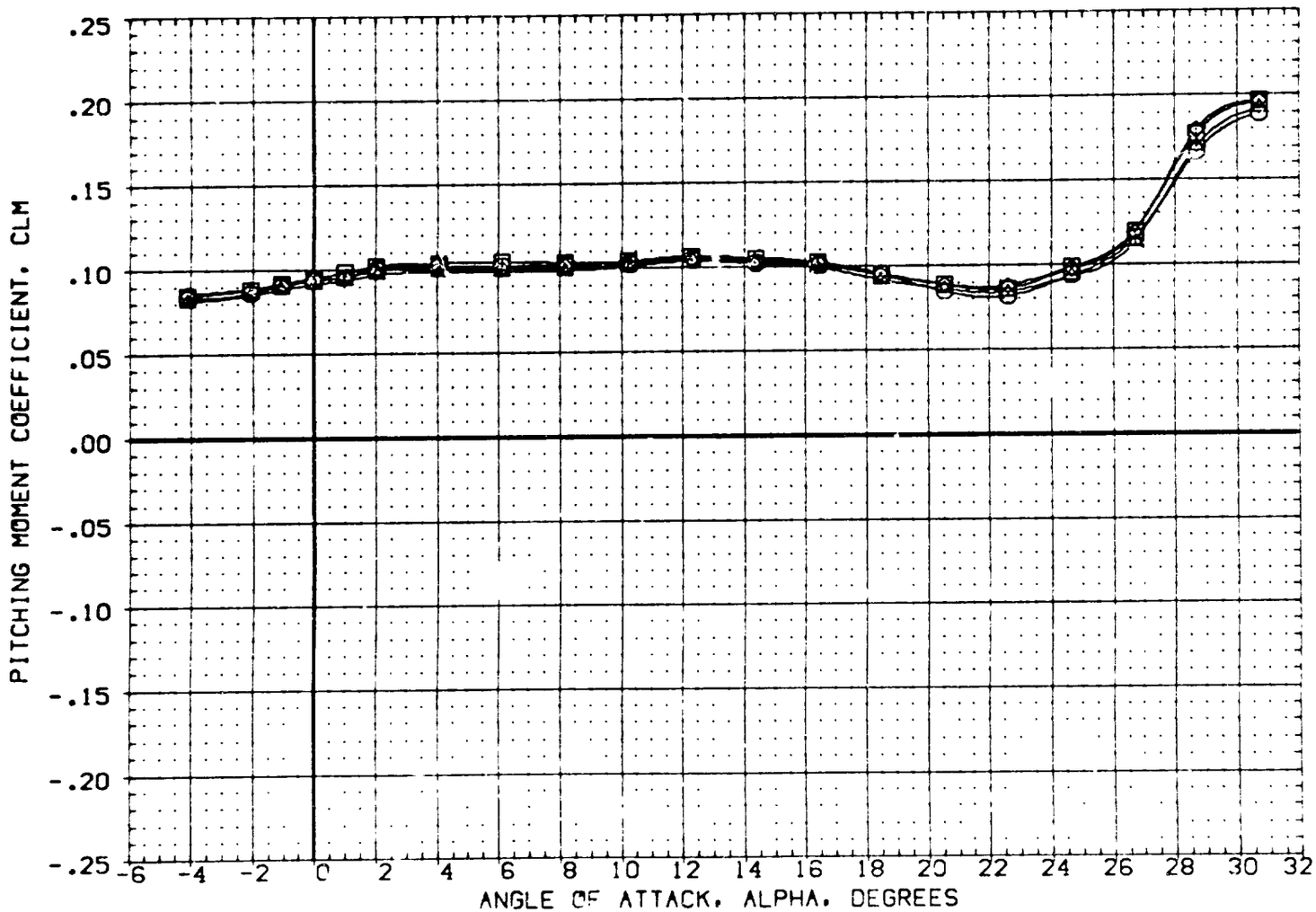



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX154) | □ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX175) | ◇ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX170) | ⊠ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX165) | △ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

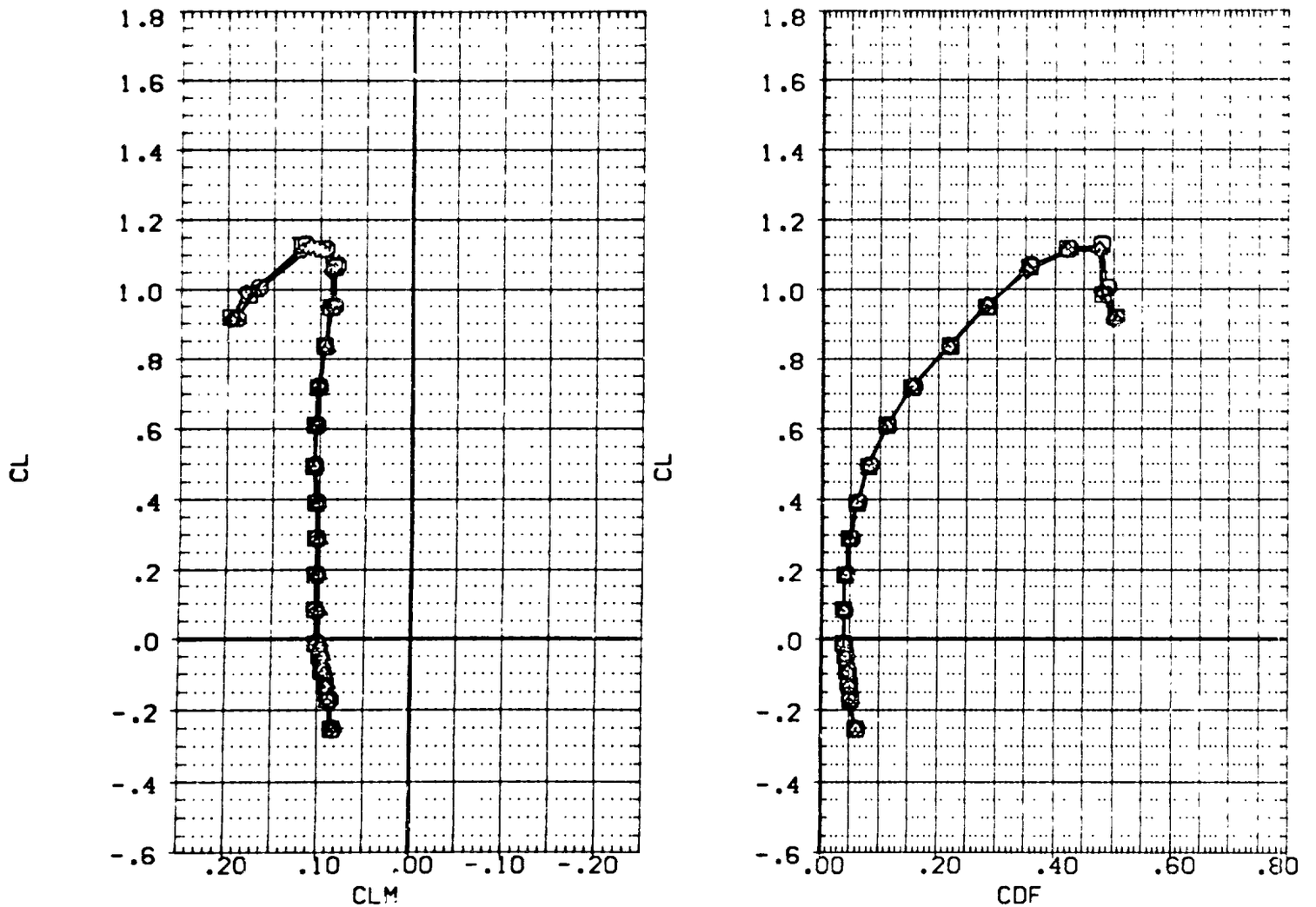



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

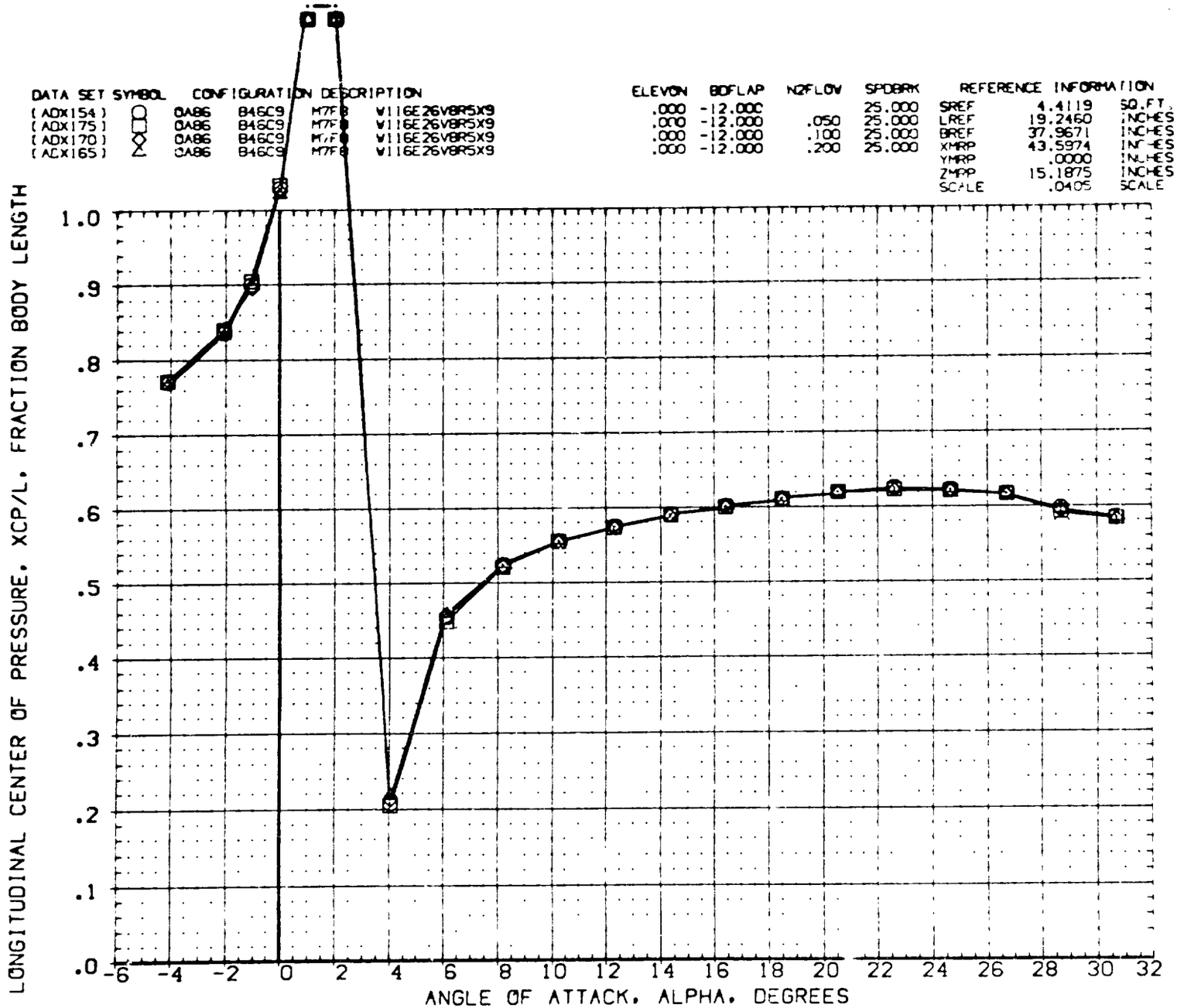



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | NZFLOW | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX154) | ○ | CA86 | B46C9 | M7F8 | W11SE26V8R5X9 | .000 | -12.000 | | 25.000 |
| (ADX175) | □ | CA86 | B46C9 | M7F8 | W11SE26V8R5X9 | .000 | -12.000 | .050 | 25.000 |
| (ADX170) | ◇ | CA86 | B46C9 | M7F8 | W11FE26V8R5X9 | .000 | -12.000 | .100 | 25.000 |
| (ADX165) | △ | CA86 | B46C9 | M7F8 | W11FE26V8R5X9 | .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.9874 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

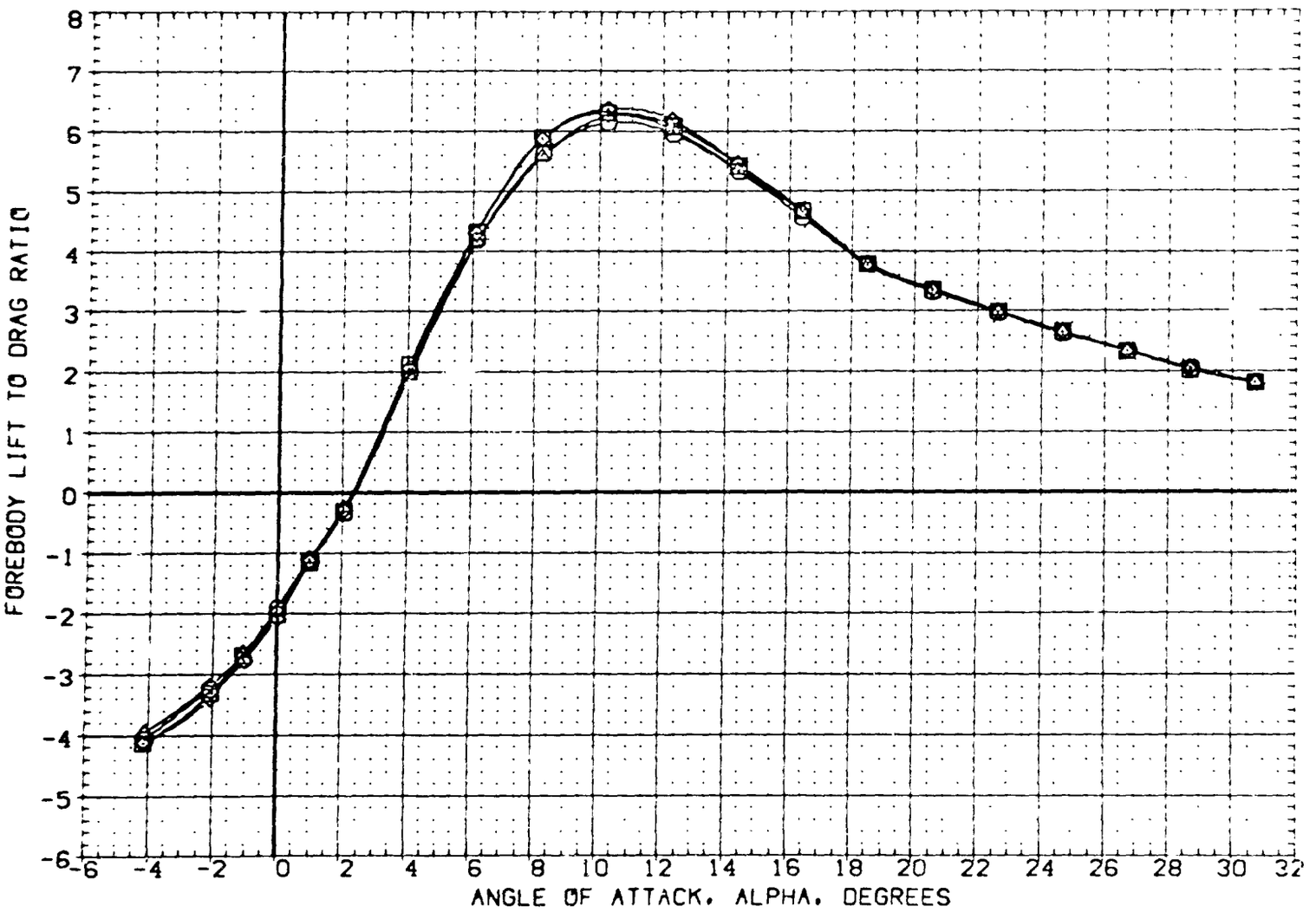



FIG 46 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | NZFLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX002) | | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | | 25.000 |
| (ROX176) | | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .050 | 25.000 |
| (ROX171) | | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .100 | 25.000 |
| (ROX166) | | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

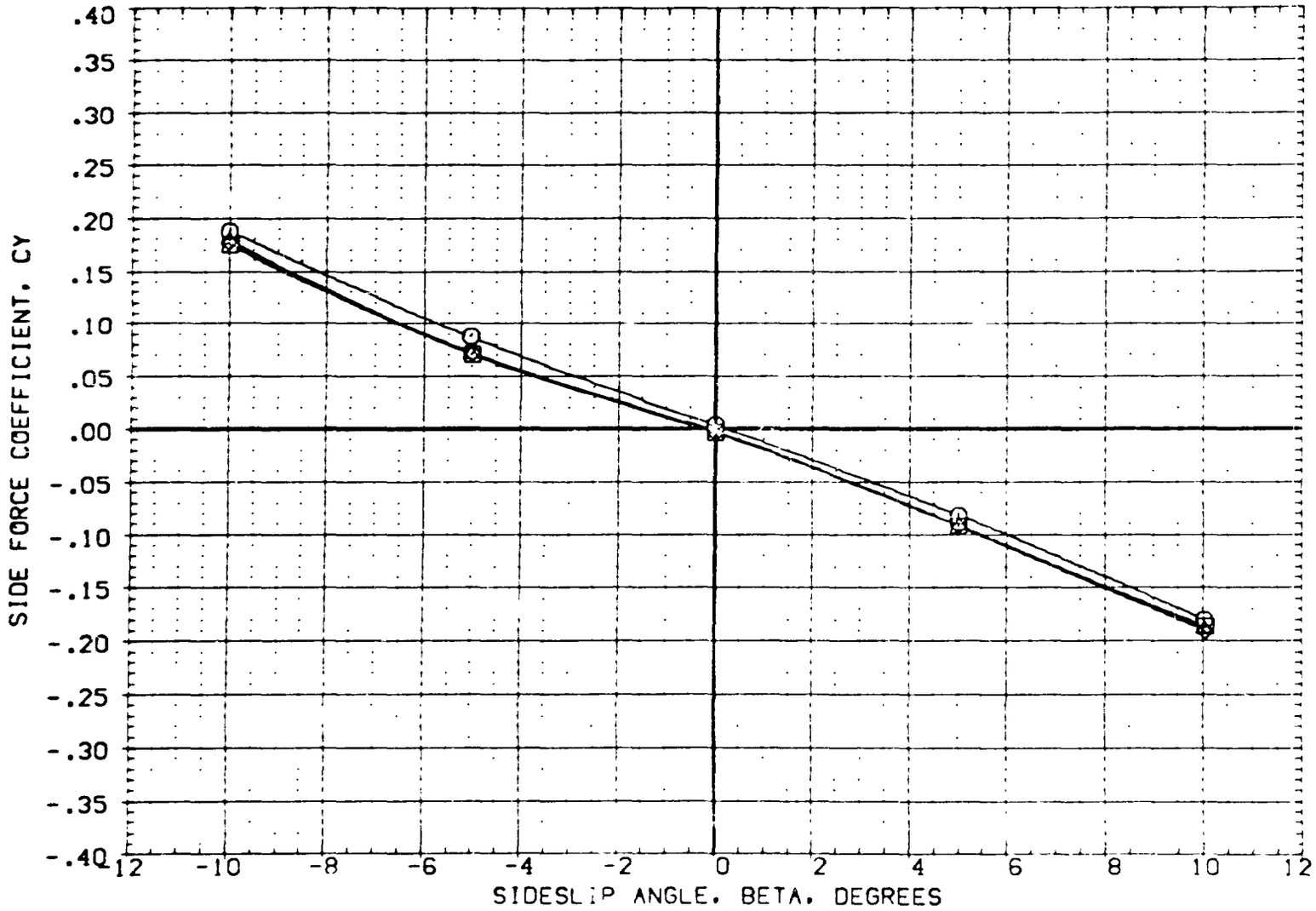



FIG 47 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX062) | □ | CA86 | 350C9 | M7F8 | W116E26V8R5X9 |
| (RCX176) | ◇ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RCX171) | △ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RCX166) | ○ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | NZFLOW | SPOBRK |
|---|---|---|---|
| .000 | .000 | | 25.000 |
| .000 | .000 | .050 | 25.000 |
| .000 | .000 | .100 | 25.000 |
| .000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.0974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1775 | INCHES |
| SCALE | .0435 | SCALE |

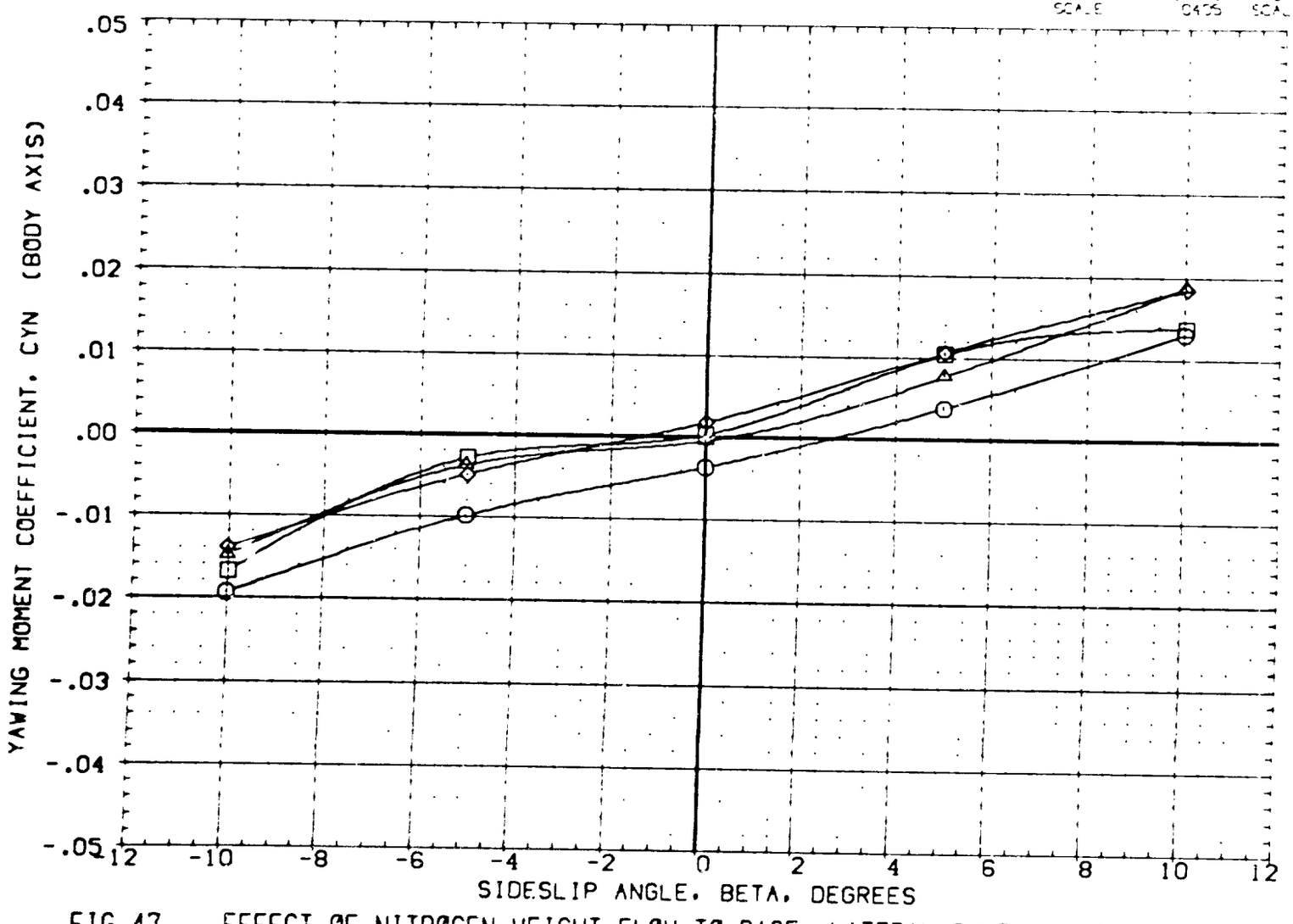



FIG 47 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX002) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX176) | □ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX171) | ⊠ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX166) | △ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | NZFLOW | SPOBRK |
|---|---|---|---|
| .000 | .000 | | 25.000 |
| .000 | .000 | .050 | 25.000 |
| .000 | .000 | .100 | 25.000 |
| .000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

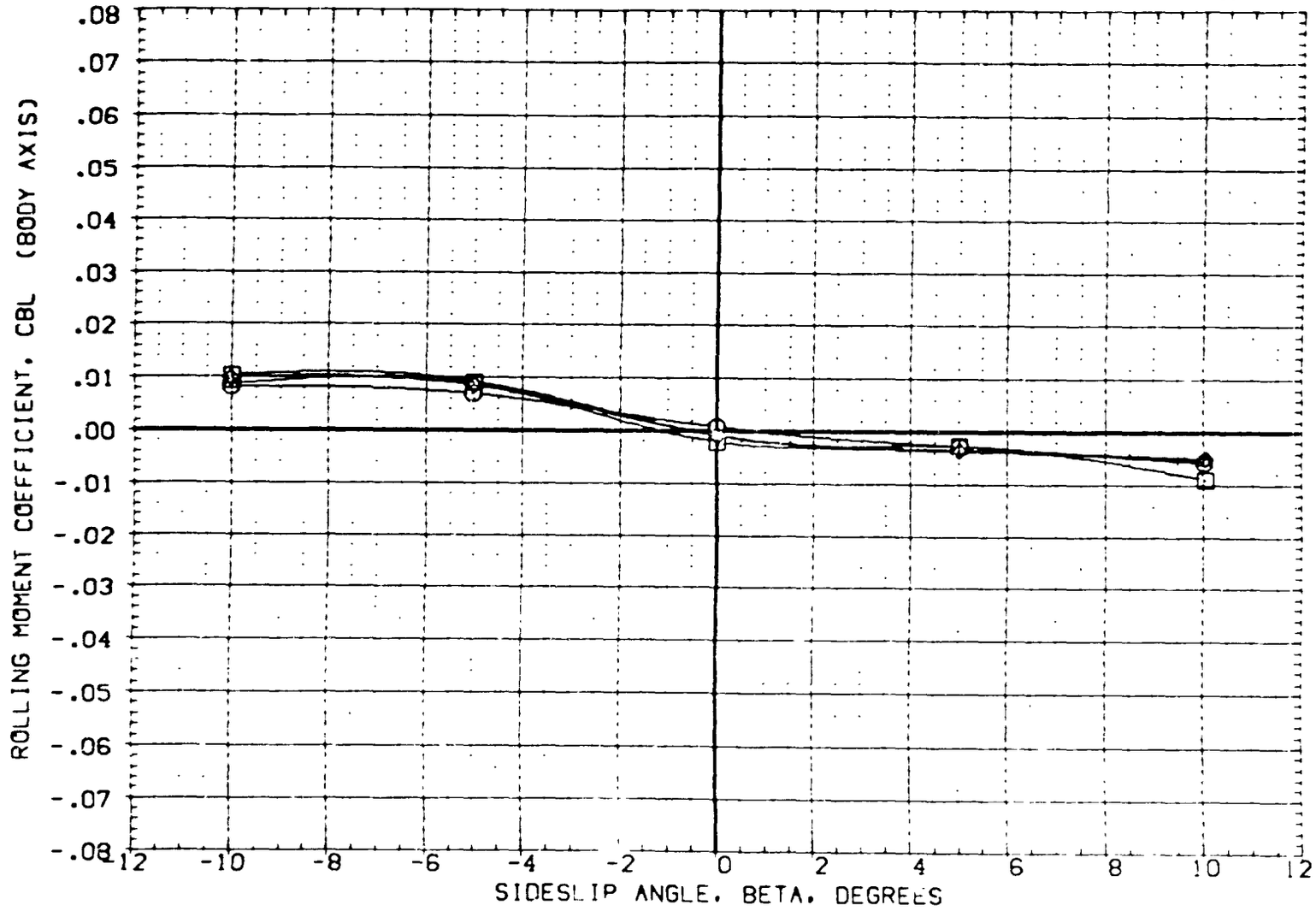



FIG 47 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX003) | □ | CA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (RCX177) | ◇ | CA86 | 846C9 | M7F8 | W116E26V8R5X9 |
| (RCX172) | ⊠ | CA86 | 846C9 | M7F8 | W116E26V8R5X9 |
| (RCX167) | △ | CA86 | 845C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | | 25.000 |
| 5.000 | .000 | .050 | 25.000 |
| 5.000 | .000 | .100 | 25.000 |
| 5.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

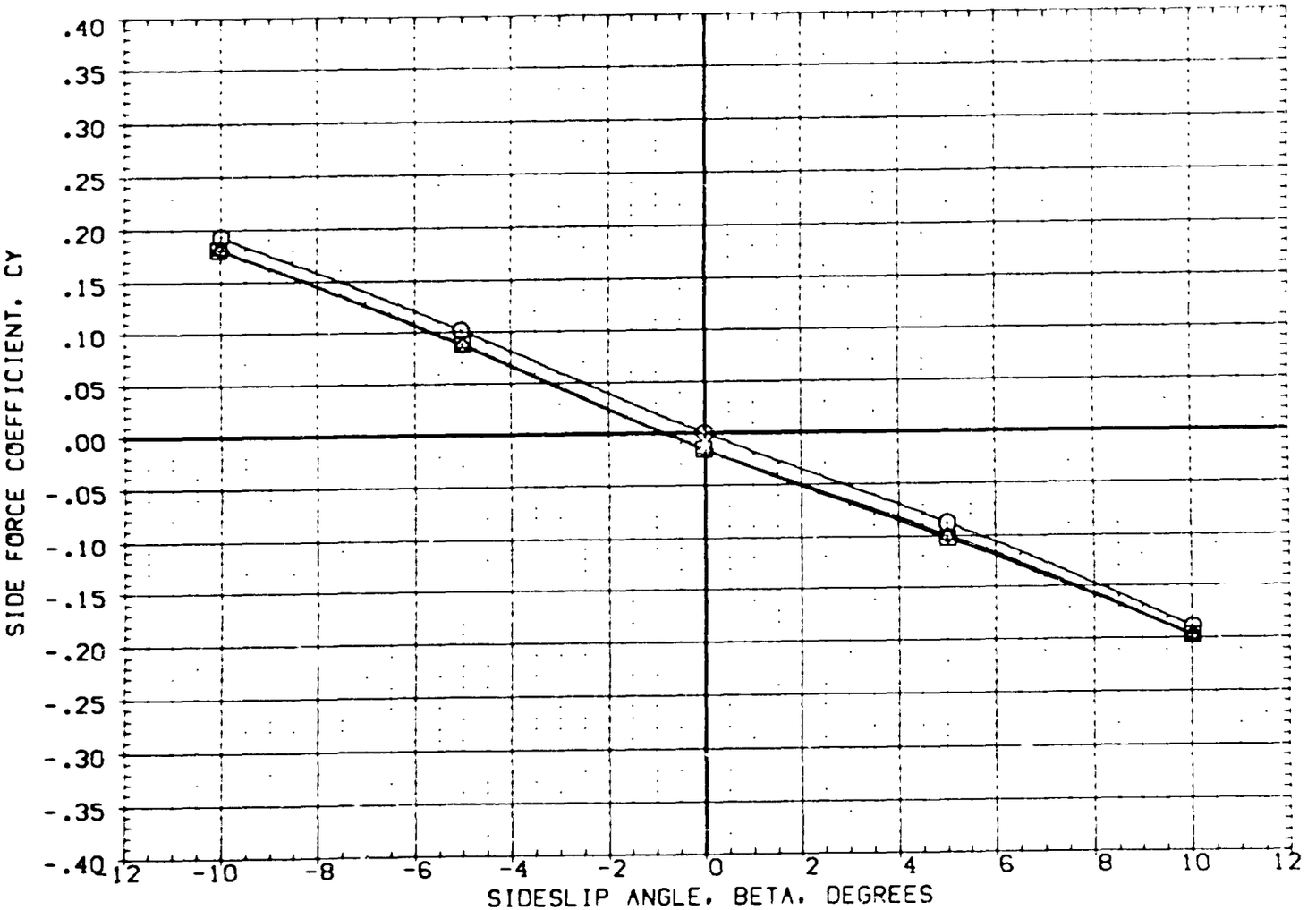



FIG 48 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX003) | ○ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | | 25.000 |
| (ROX177) | □ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .050 | 25.000 |
| (ROX172) | ◇ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .100 | 25.000 |
| (ROX167) | △ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

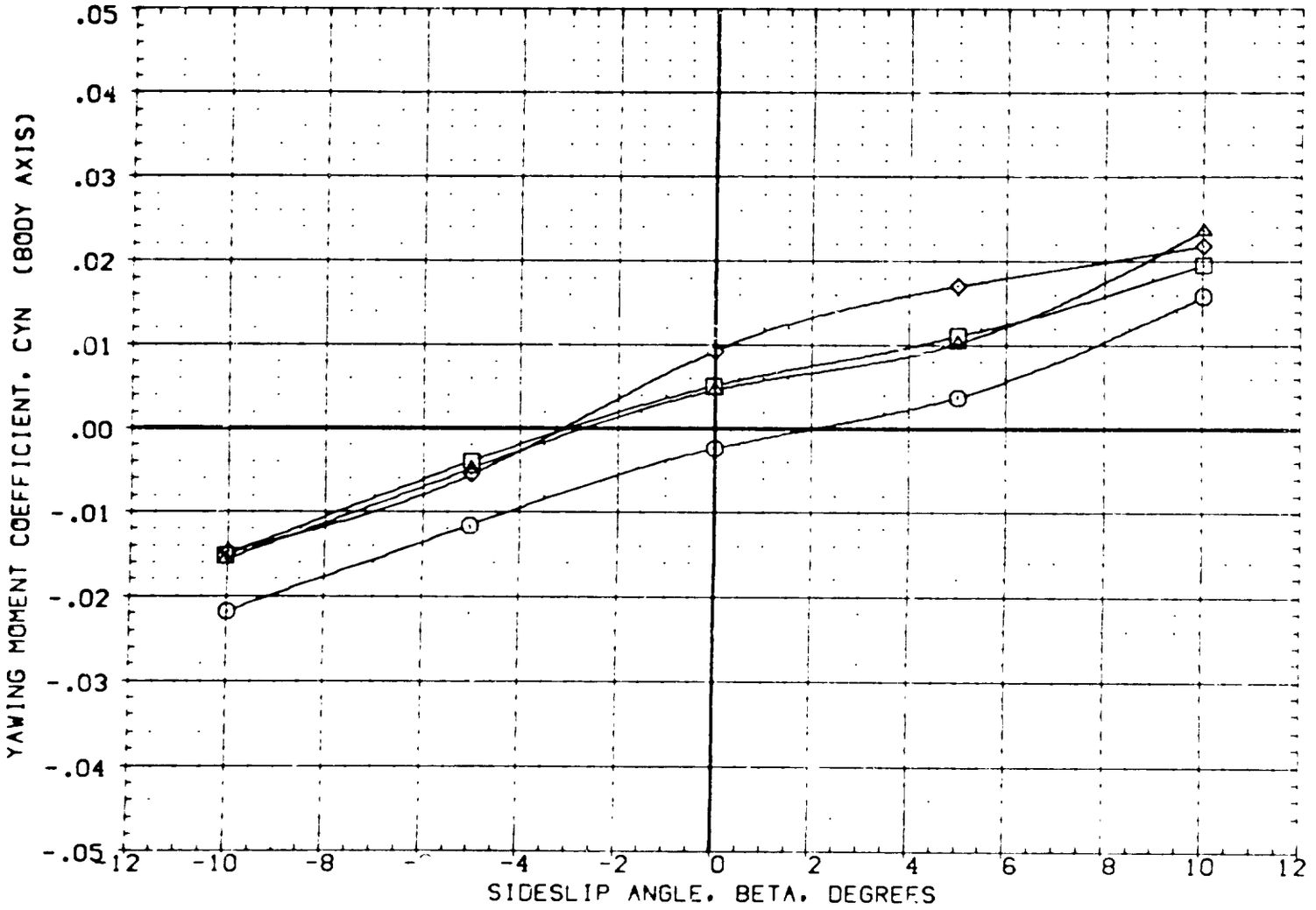



FIG 48 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX003) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX177) | ◇ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX172) | ⊠ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX167) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPDBRK |
|---|---|---|---|
| 5.000 | .000 | | 25.000 |
| 5.000 | .000 | .050 | 25.000 |
| 5.000 | .000 | .100 | 25.000 |
| 5.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

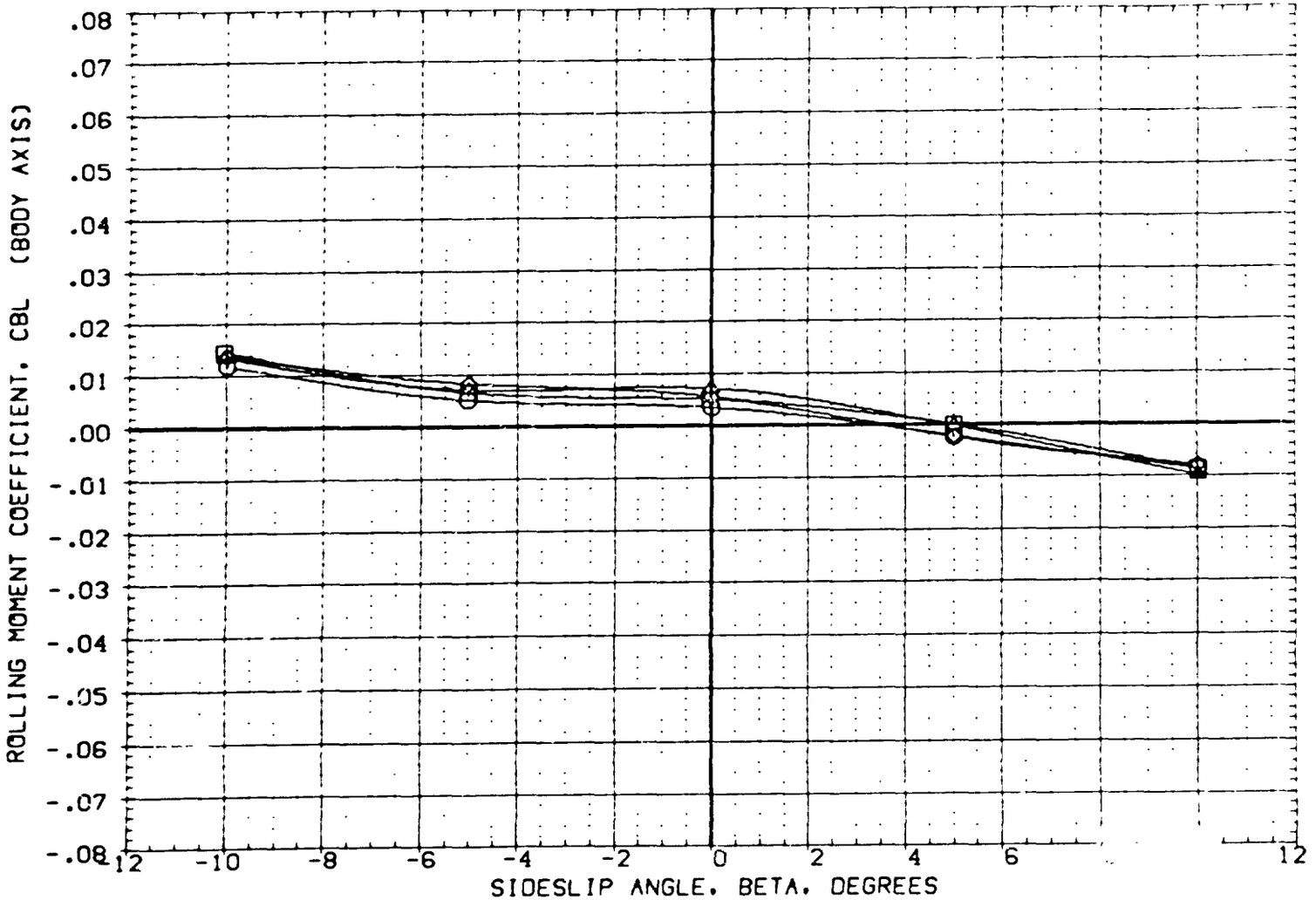



FIG 48 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., [illegible] 5

(A)MACH = .20

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| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX004) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX178) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX173) | ⊠ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX168) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | | 25.000 |
| 10.000 | .000 | .050 | 25.000 |
| 10.000 | .000 | .100 | 25.000 |
| 10.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| X MRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

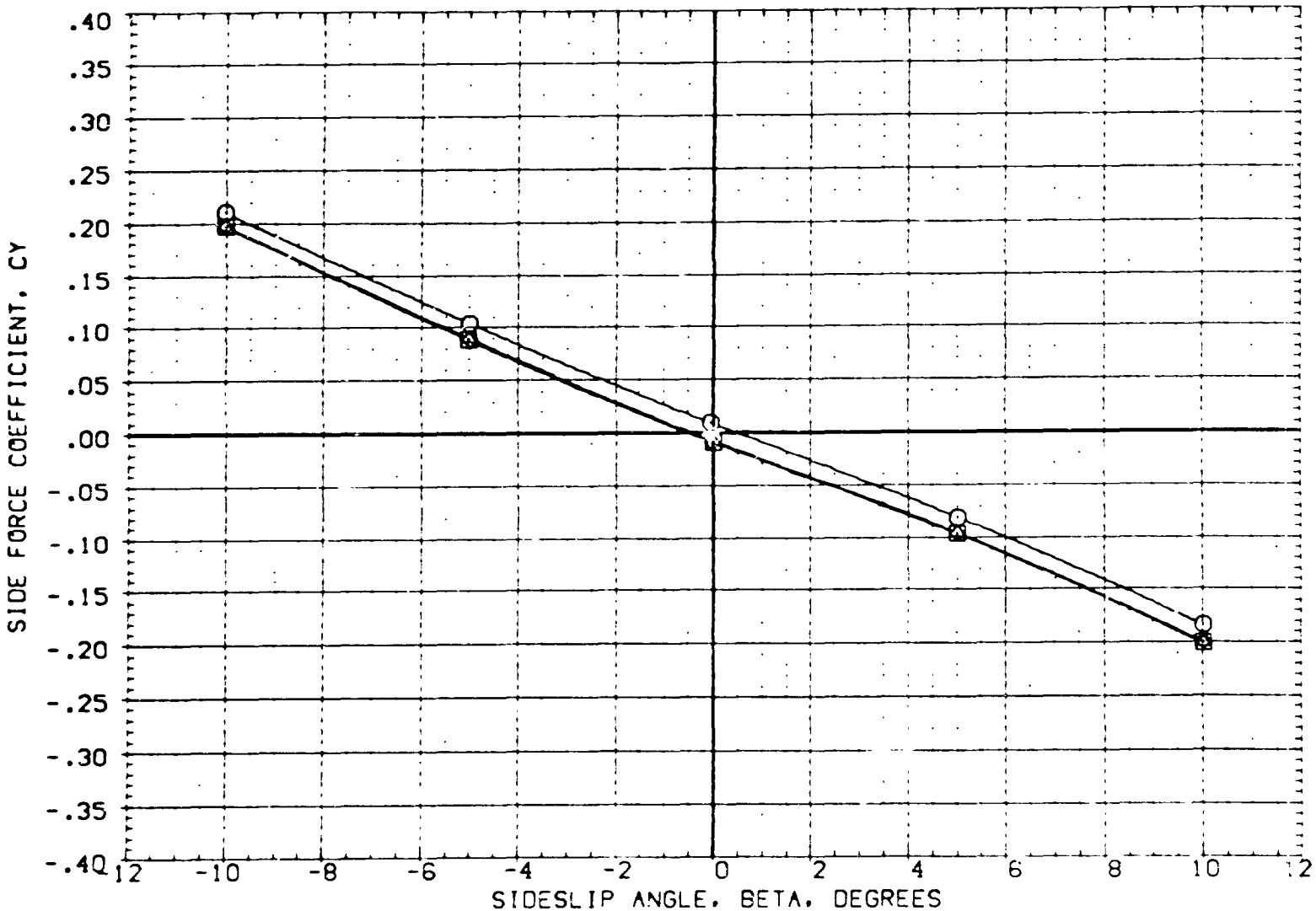



FIG 49 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 10

(A)MACH = .20

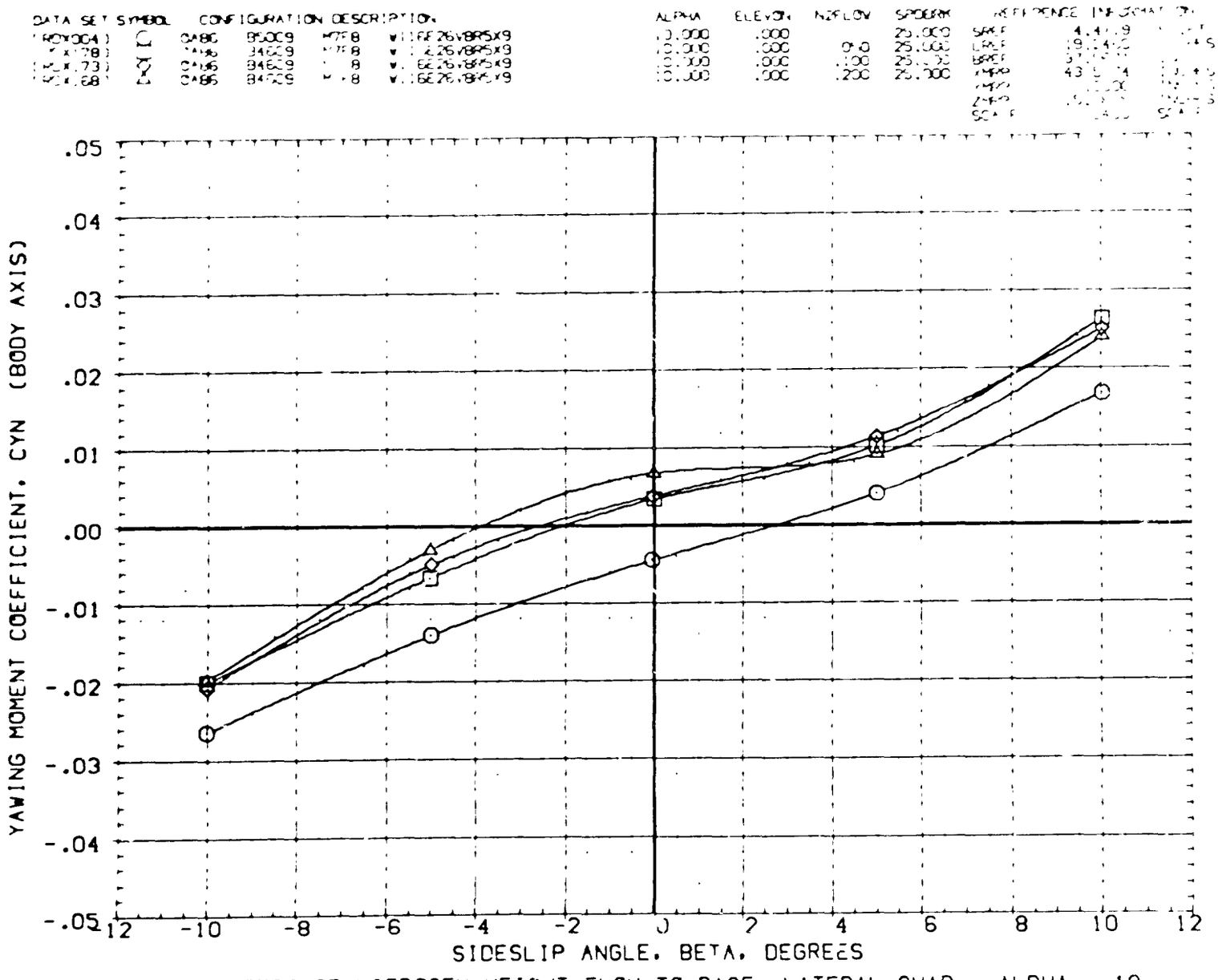



FIG 49 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX004) | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX178) | | 0A86 | B46C9 | M7F8 | W.16E26V8R5X9 |
| (ROX173) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ROX168) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | | 25.000 |
| 10.000 | .000 | .050 | 25.000 |
| 10.000 | .000 | .100 | 25.000 |
| 10.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

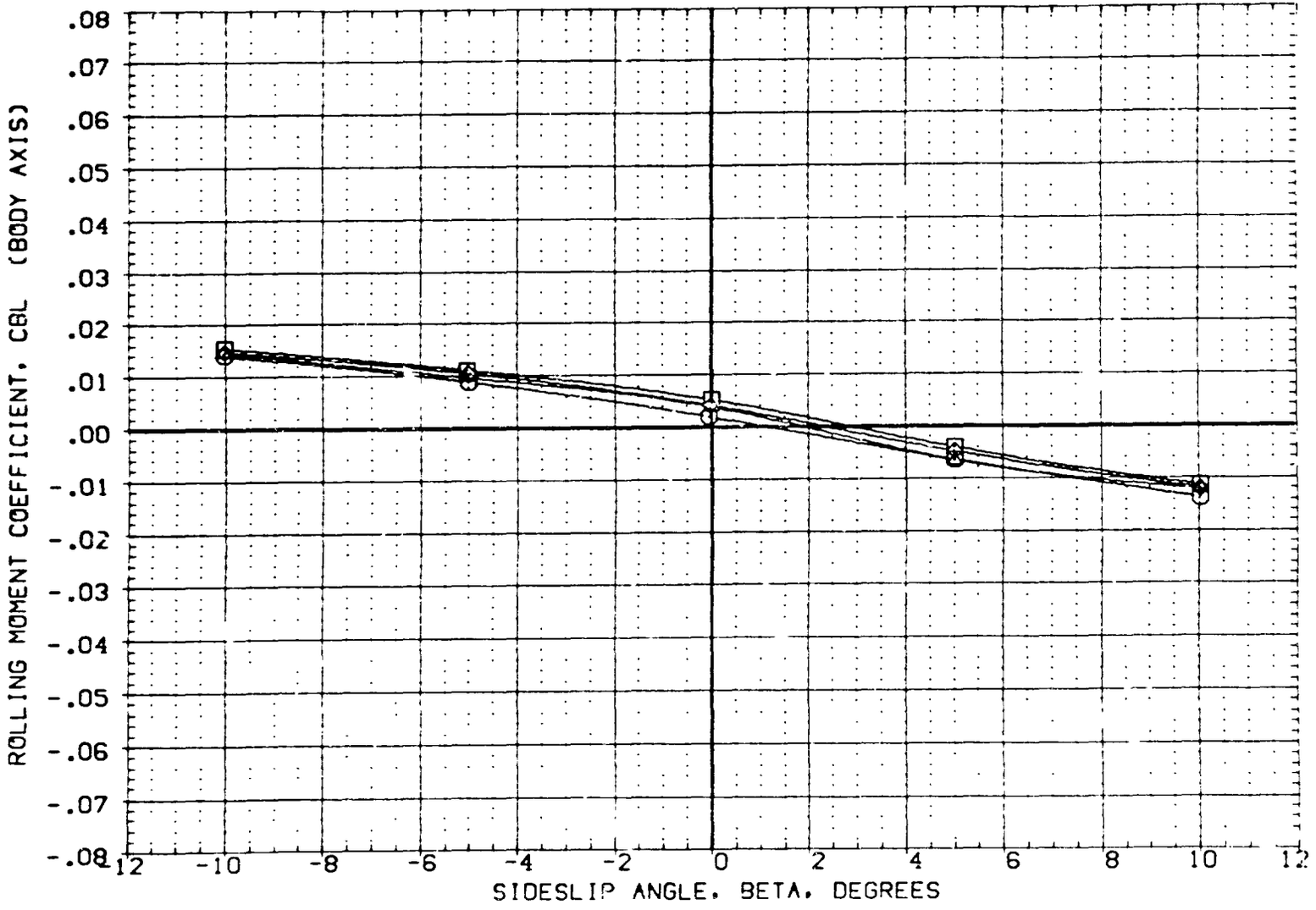



FIG 49 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = .

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX005) | □ | OA86 | B5QC9 | M7F8 | W11BE26V8R5X9 |
| (ROX179) | ◇ | OA86 | B46C9 | M7F8 | W11BE26V8R5X9 |
| (ROX174) | ⊠ | OA86 | B46C9 | M7F8 | W11BE26V8R5X9 |
| (ROX169) | △ | OA86 | B46C9 | M7F8 | W11BE26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | | 25.000 |
| 15.000 | .000 | .050 | 25.000 |
| 15.000 | .000 | .100 | 25.000 |
| 15.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.1460 | INCHES |
| BREF | 37.6671 | INCHES |
| XMRP | 43.5474 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

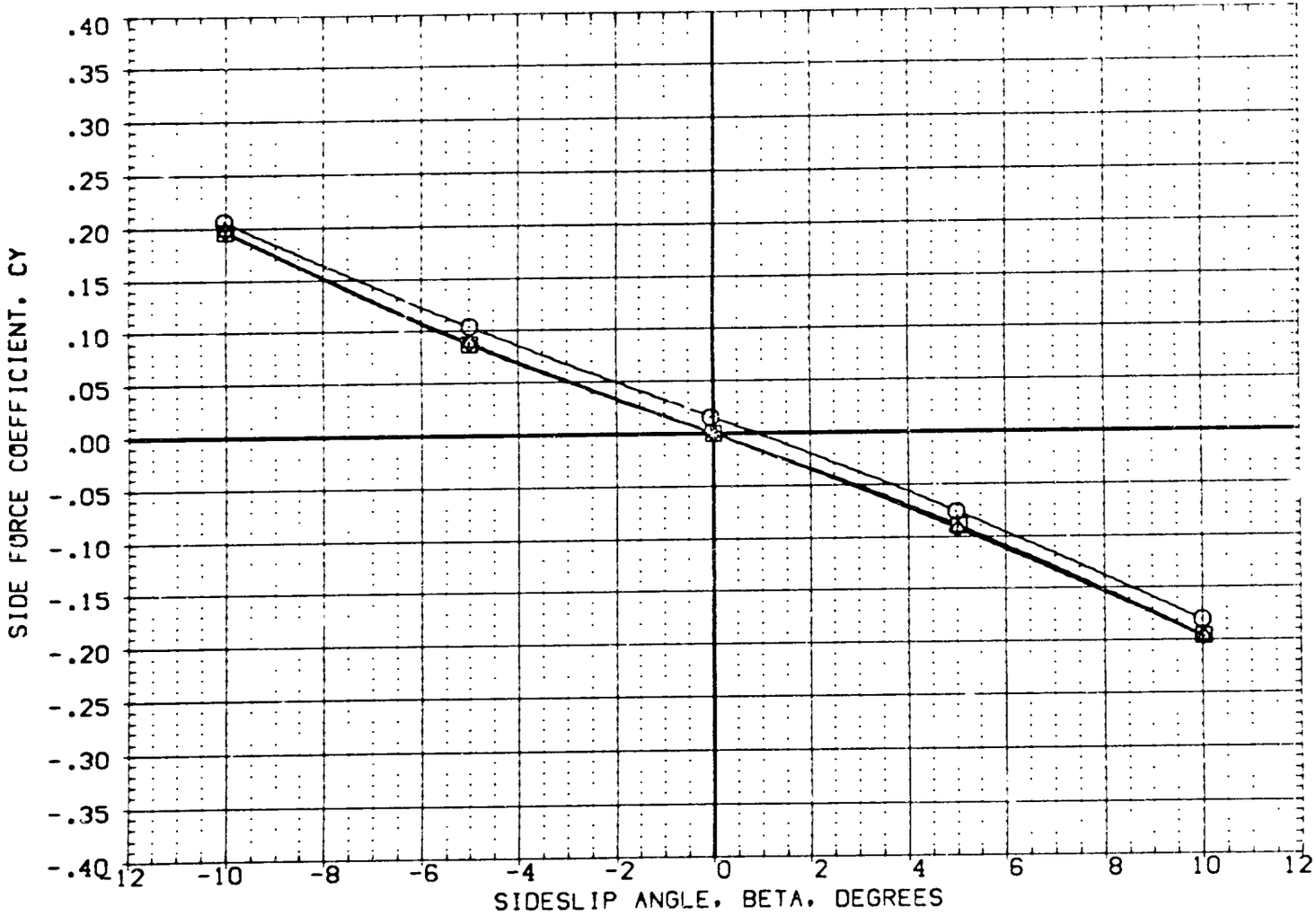



FIG 50 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | NZFLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX005) | □ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | | 25.000 |
| (RDX179) | ◻ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .050 | 25.000 |
| (RDX174) | ◇ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .100 | 25.000 |
| (RDX169) | △ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

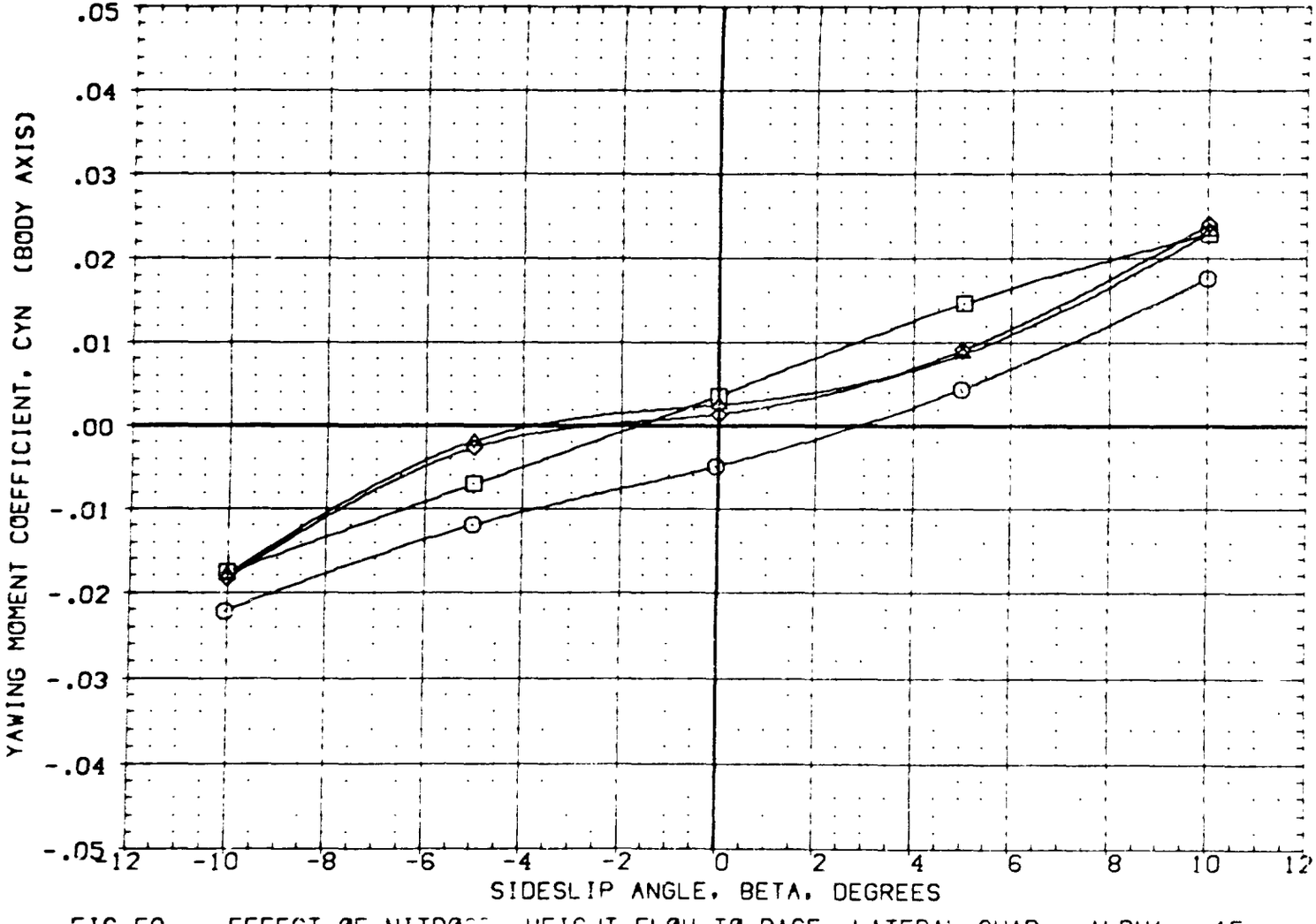



FIG 50 EFFECT OF NITROGEN, WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX005) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX179) | ◇ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX174) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDX169) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | | 25.000 |
| 15.000 | .000 | .050 | 25.000 |
| 15.000 | .000 | .100 | 25.000 |
| 15.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9371 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

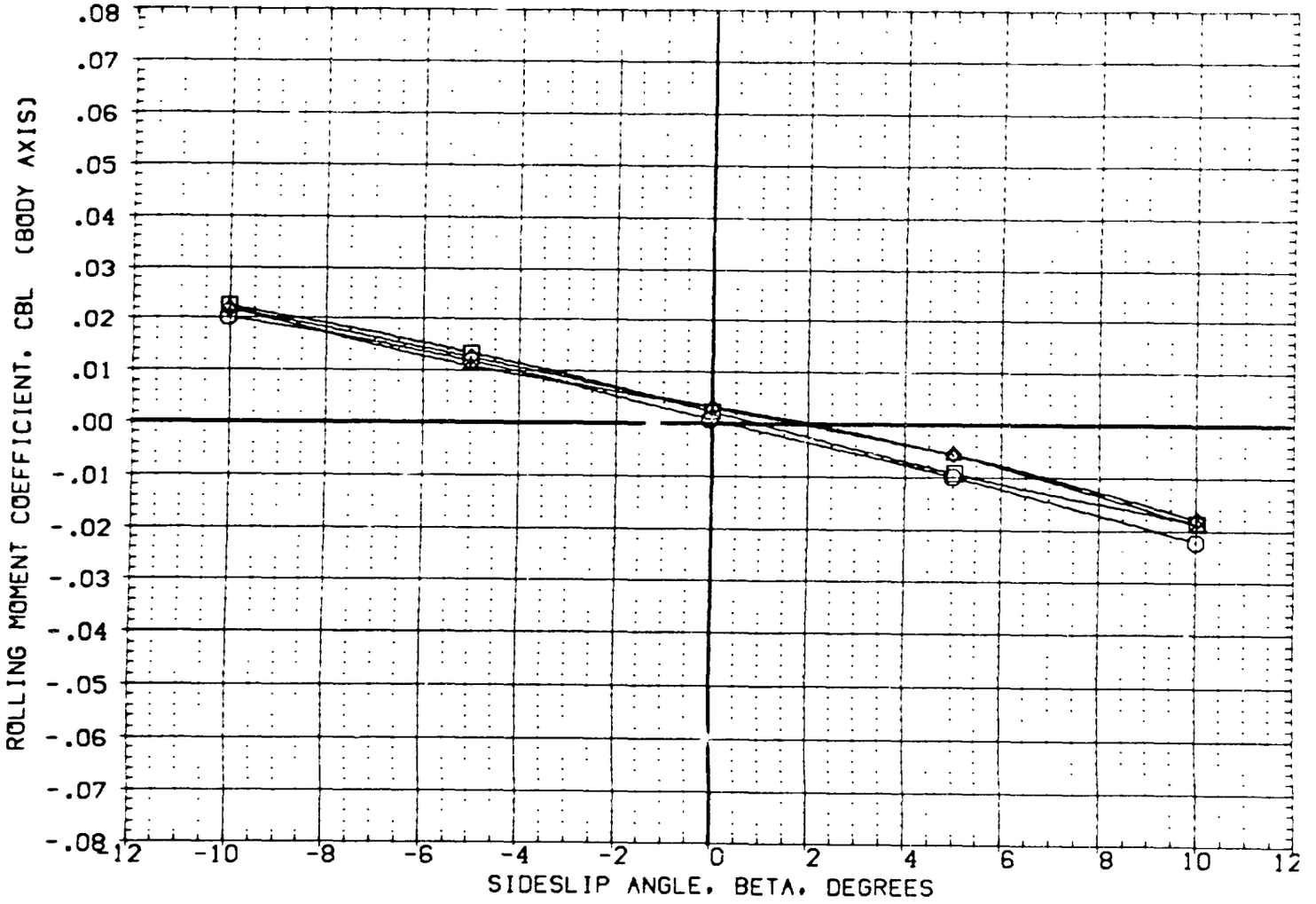



FIG 50 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, LATERAL CHAR., ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX195) | ○ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX190) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX185) | ⊠ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX180) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ. INCHES |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

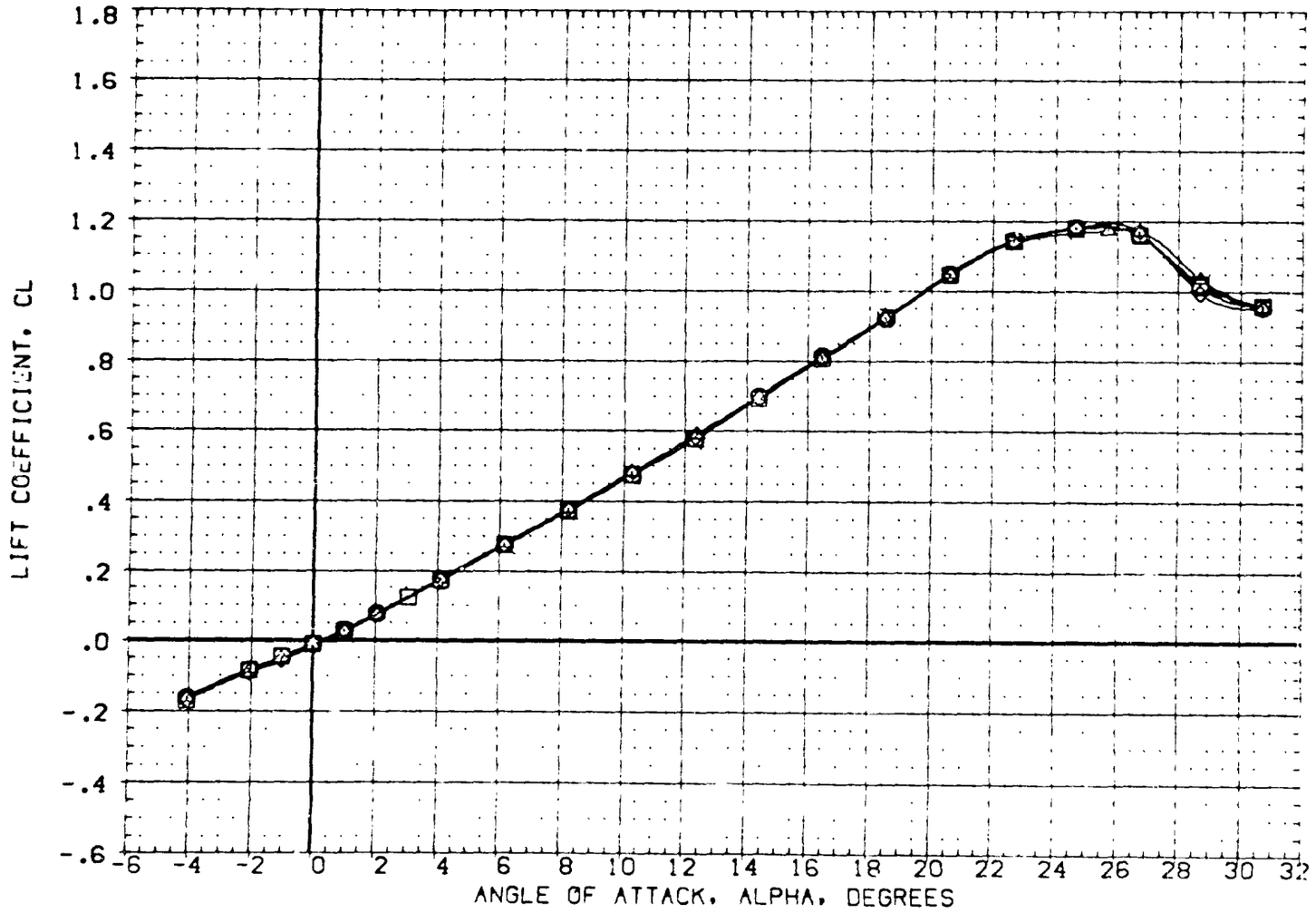



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX195) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX190) | ◇ | 0A86 | B46C9 | M7F8 | W116E26V9R5X9 |
| (ADX185) | ▽ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX180) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | NZFLOW | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.5671 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1375 | INCHES |
| SCALE | .0405 | SCALE |

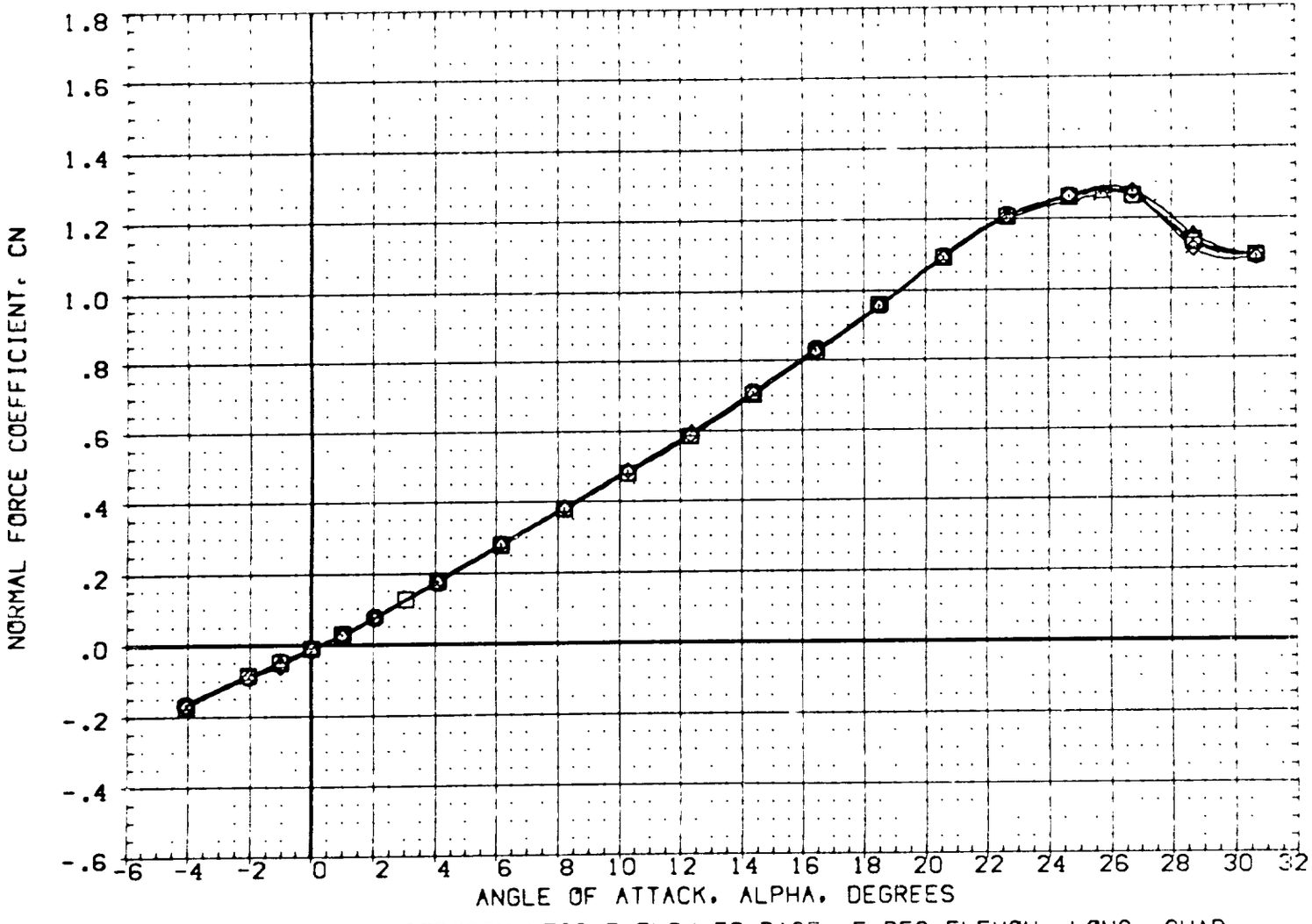



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX195) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | | 25.000 |
| (ADX190) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .050 | 25.000 |
| (ADX185) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .100 | 25.000 |
| (ADX180) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4113 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

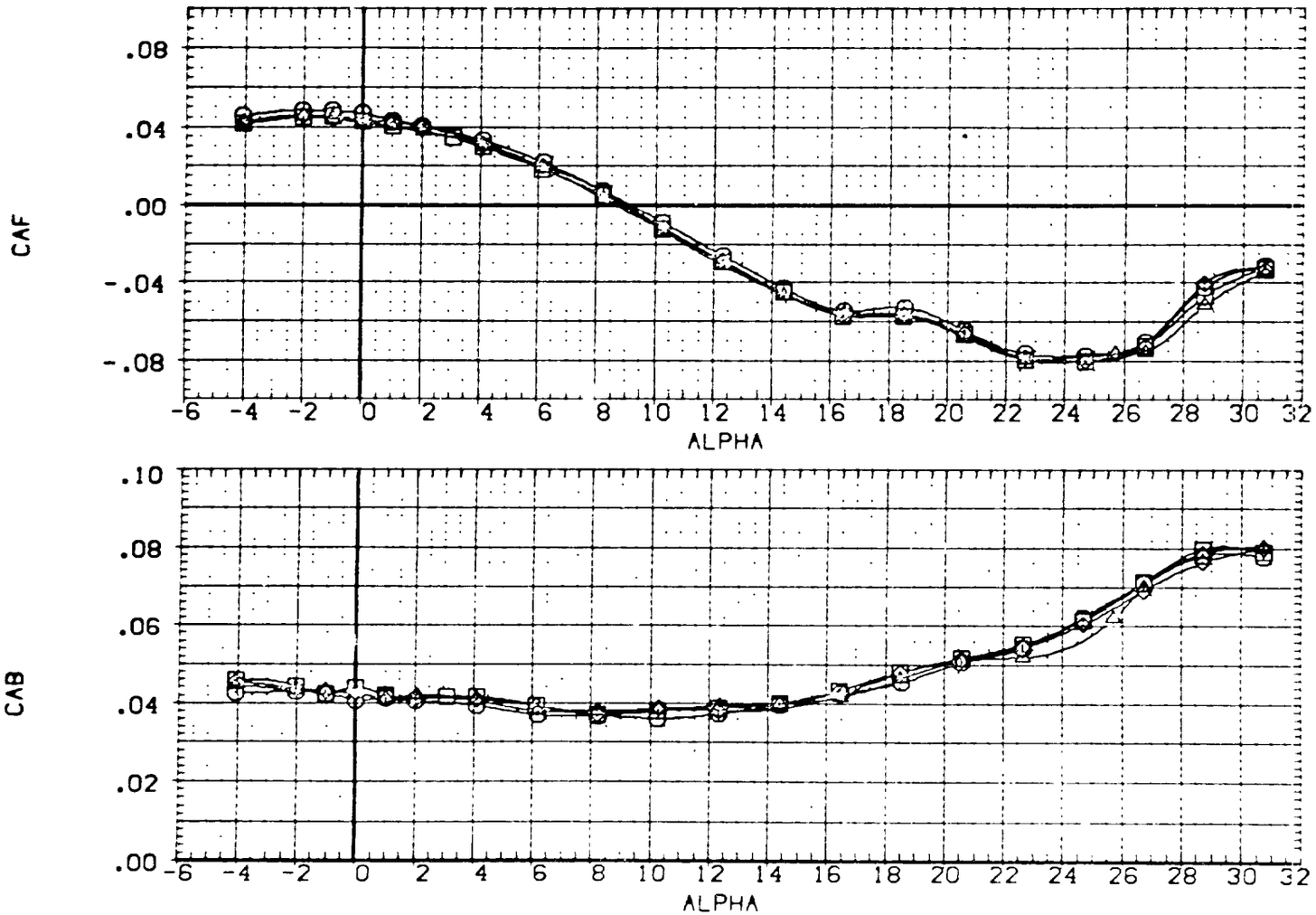



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR

(A)MACH = .20

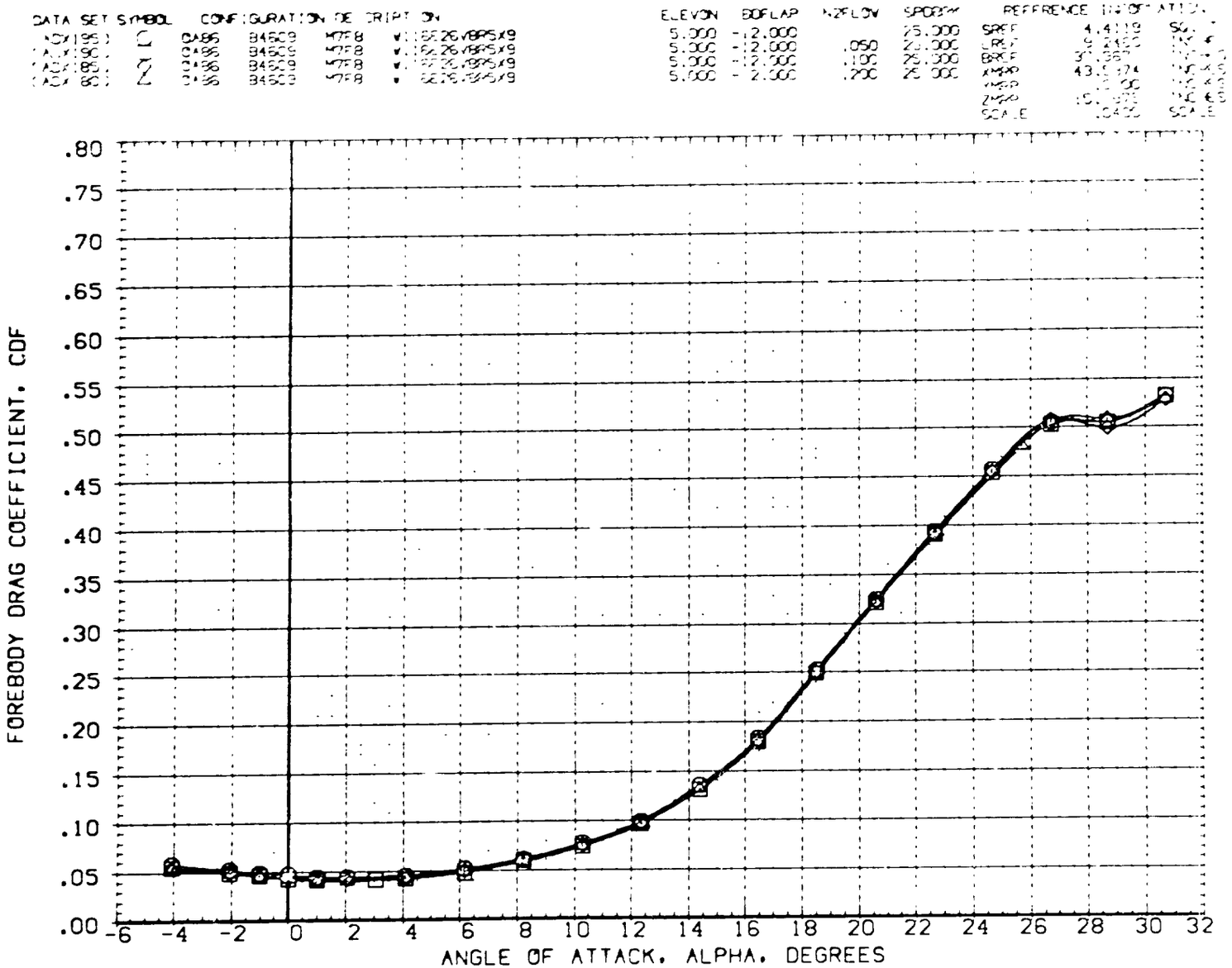



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX195) | □ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX190) | ⊠ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX185) | | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX180) | △ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

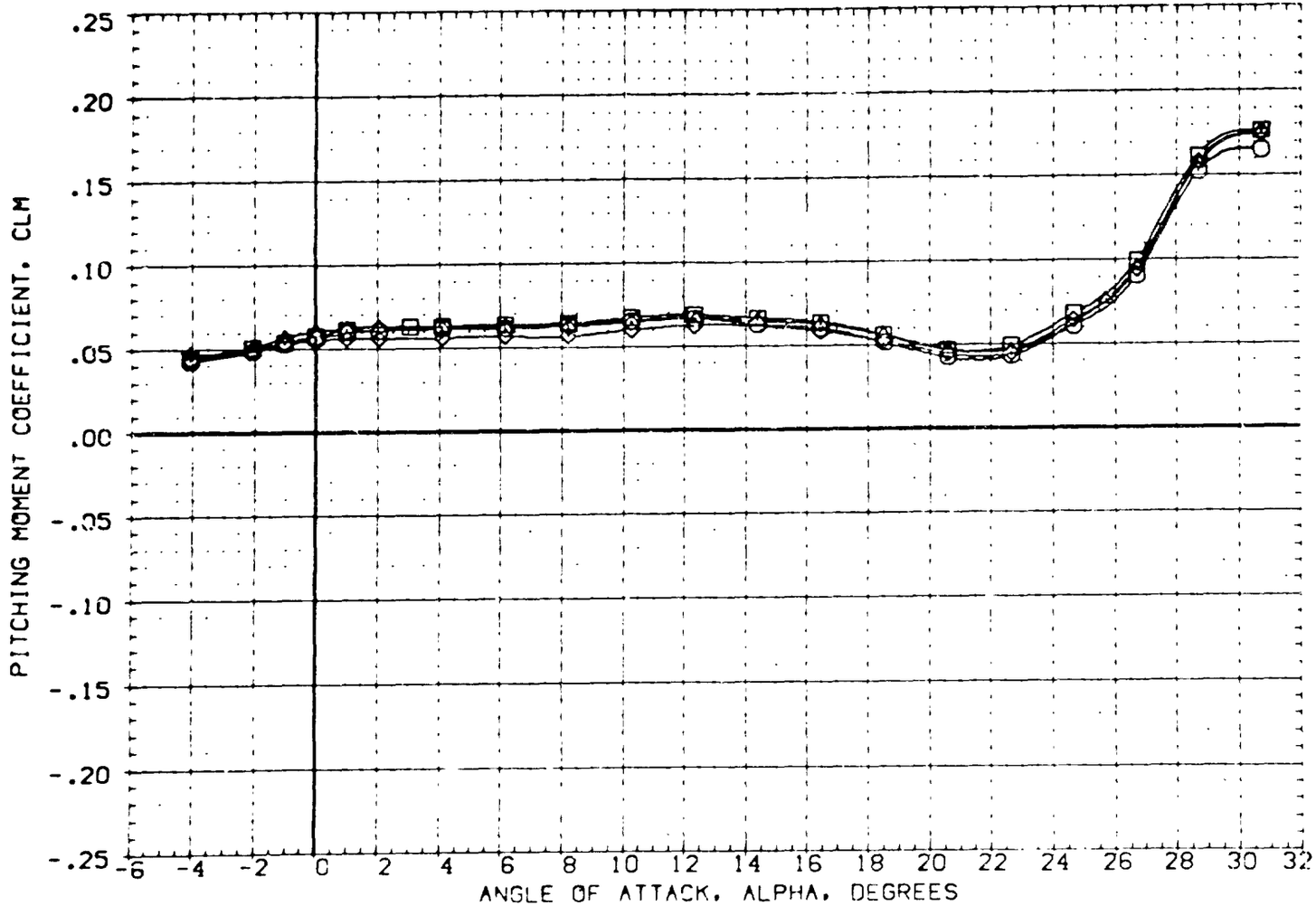



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX195) | ○ | 0A86 | B46C9 | M7F8 | W1.6E26V8R5X9 |
| (ADX190) | □ | 0A86 | B46C9 | M7F8 | W1.6E26V8R5X9 |
| (ADX185) | ◇ | 0A86 | B46C9 | M7F8 | W1.6E26V8R5X9 |
| (ADX180) | △ | 0A86 | B46C9 | M7F8 | W1.6E26V8R5X9 |

| ELEVON | BOFLAP | N2FLOW | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.5671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

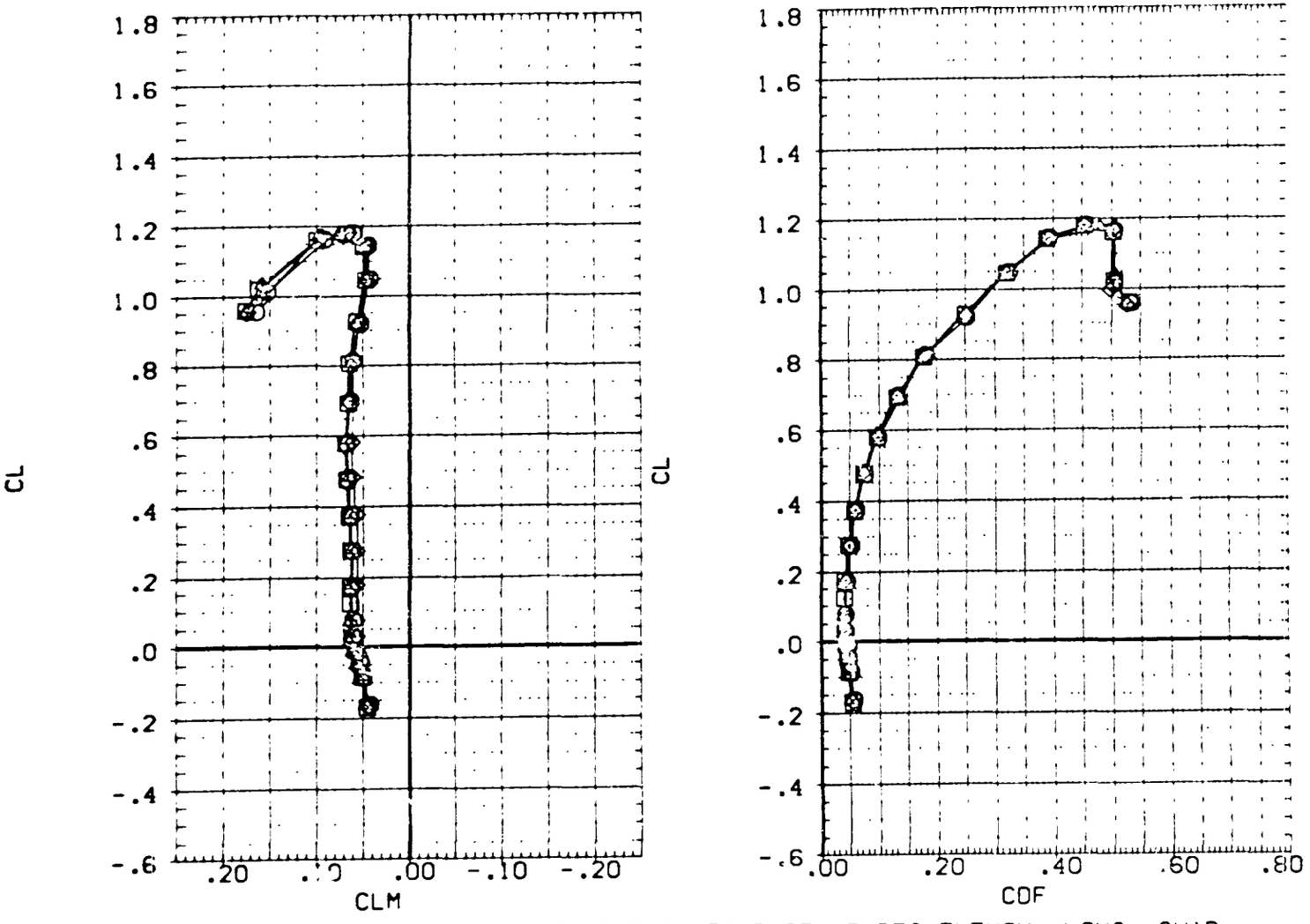



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR.

(A)MACH = .20

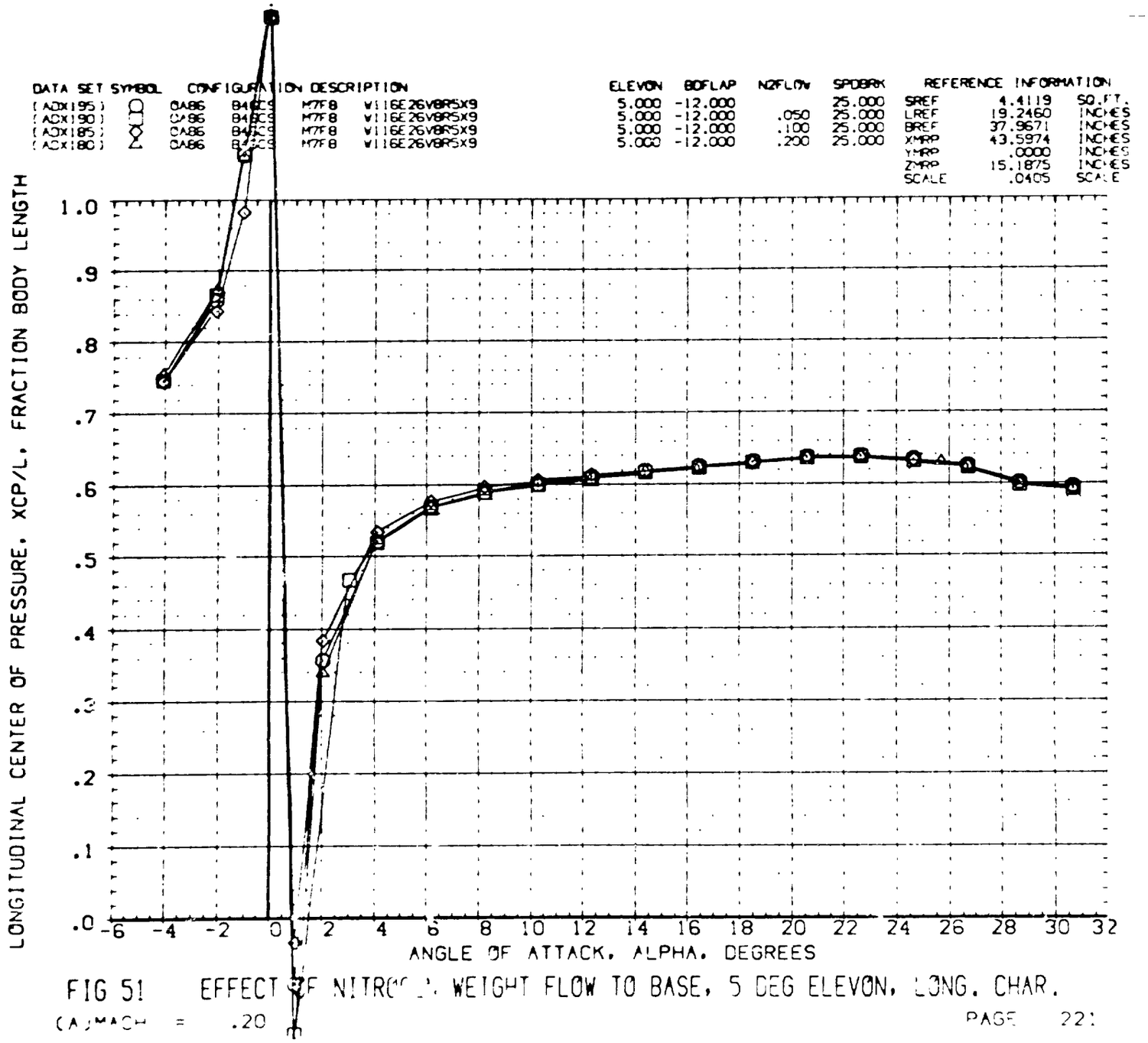



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR.

(A) MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (A)(95) | 1 | 0486 | 946C9 | M7F8 | W116X26V8R5X9 |
| (A)(95) | | 0486 | 946C9 | M7F8 | W116X26V8R5X9 |
| (A)(95) | 2 | 0486 | 946C9 | M7F8 | W116X26V8R5X9 |
| (A)(95) | 2 | 0486 | 946C9 | M7F8 | W116X26V8R5X9 |

| ELEVON | BOFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | | 25.000 |
| 5.000 | -12.000 | 050 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | 200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.[illegible]19 | SQ.FT. |
| BREF | 19.2460 | INCHES |
| [illegible] | [illegible] | [illegible] |
| XMRP | 43.[illegible]24 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.[illegible]18 | INCHES |
| SCALE | .0405 | SCALE |

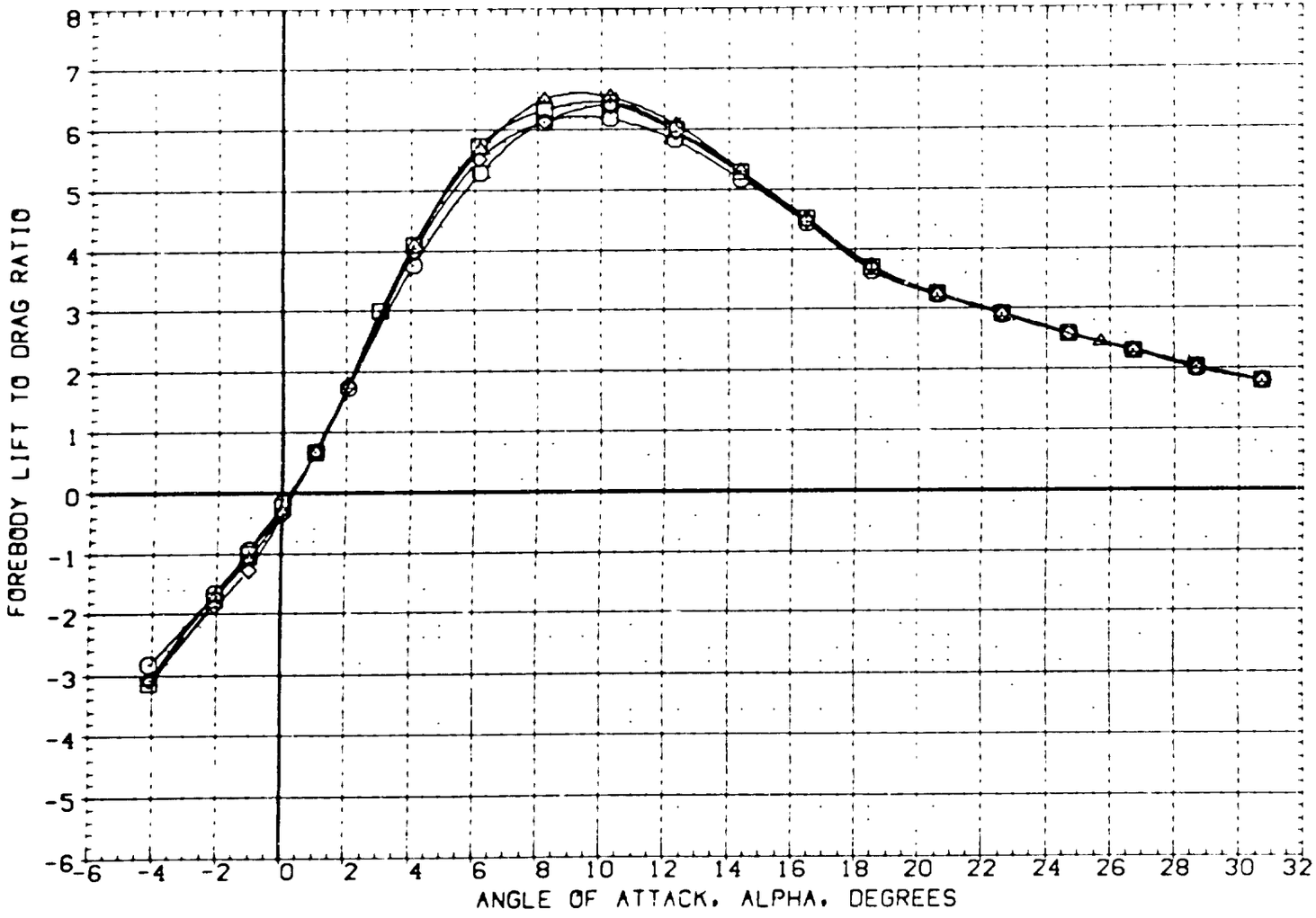



FIG 51 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, LONG. CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | NZFLOW | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX191) | □ | CA86 | B46C9 | M7F8 | W116E26VBR5X9 | .000 | 5.000 | .050 | 25.000 |
| (ROX186) | ○ | CA86 | B46C9 | M7F8 | W116E26VBR5X9 | .000 | 5.000 | .100 | 25.000 |
| (ROX181) | ◇ | CA86 | B46C9 | M7F8 | W116E26VBR5X9 | .000 | 5.000 | .200 | 25.000 |
| (ROX192) | △ | CA86 | B46C9 | M7F8 | W116E26VBR5X9 | 5.000 | 5.000 | .050 | 25.000 |
| (ROX187) | ▽ | CA86 | B46C9 | M7F8 | W116E26VBR5X9 | 5.000 | 5.000 | .100 | 25.000 |
| (ROX182) | ◁ | CA86 | B46C9 | M7F8 | W116E26VBR5X9 | 5.000 | 5.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

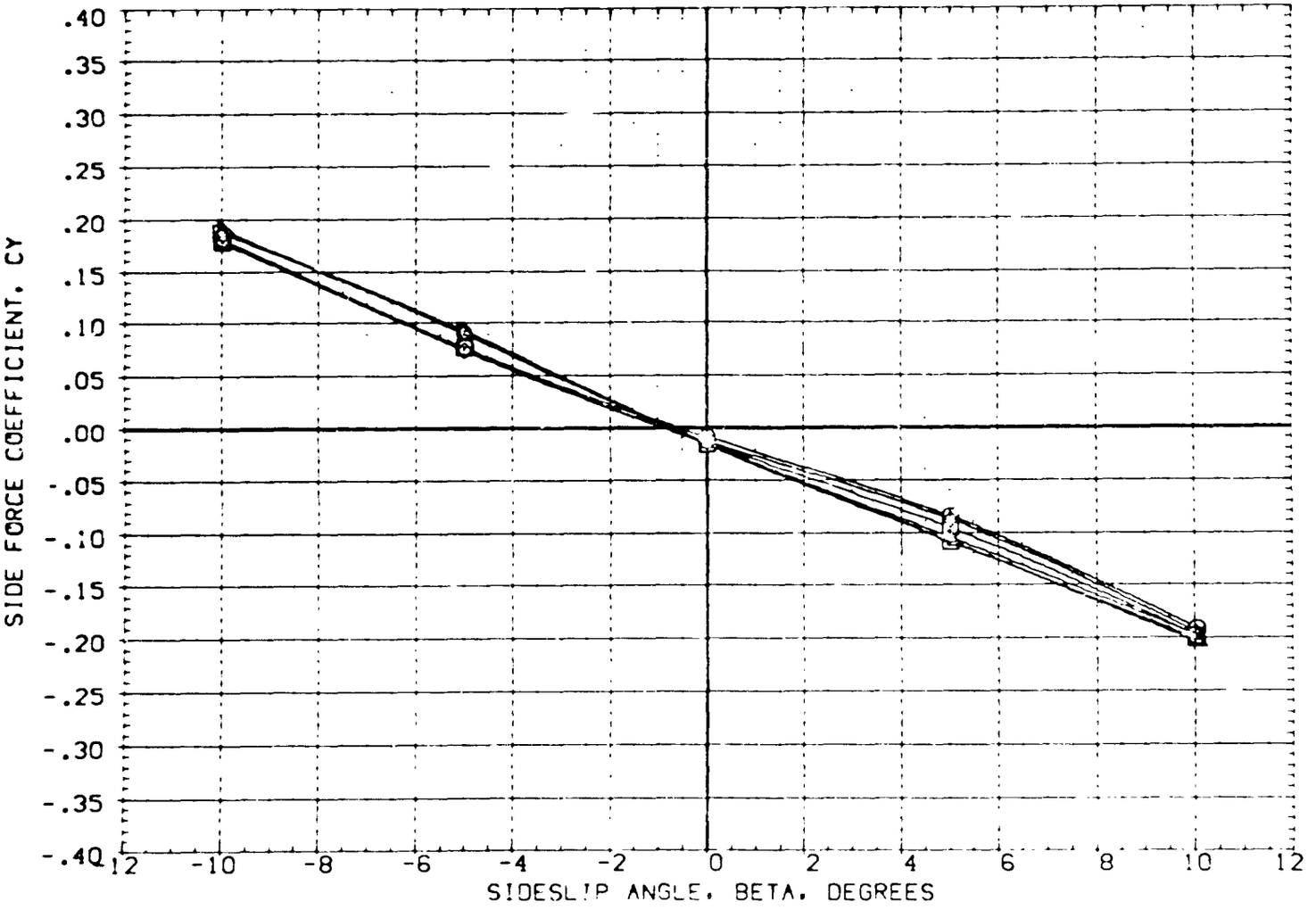



FIG 52 EFFECT OF NOZZLE WEIGHT FLOW TO BASE, 5 DEG ELEVON, ALPHA = 0. 5

(A)MACH = .20

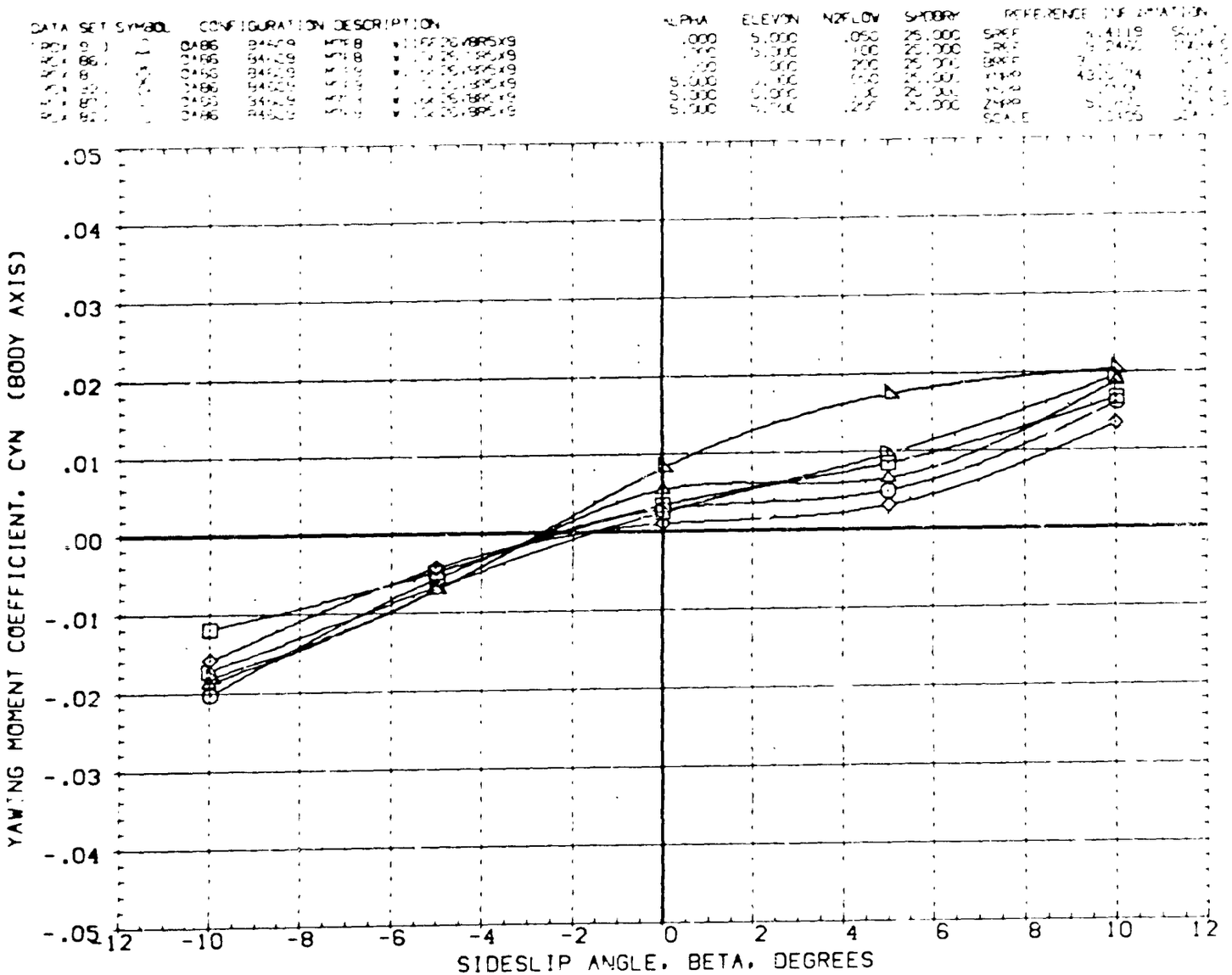



FIG 52 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, ALPHA = 0, 5

(A) MACH = .20

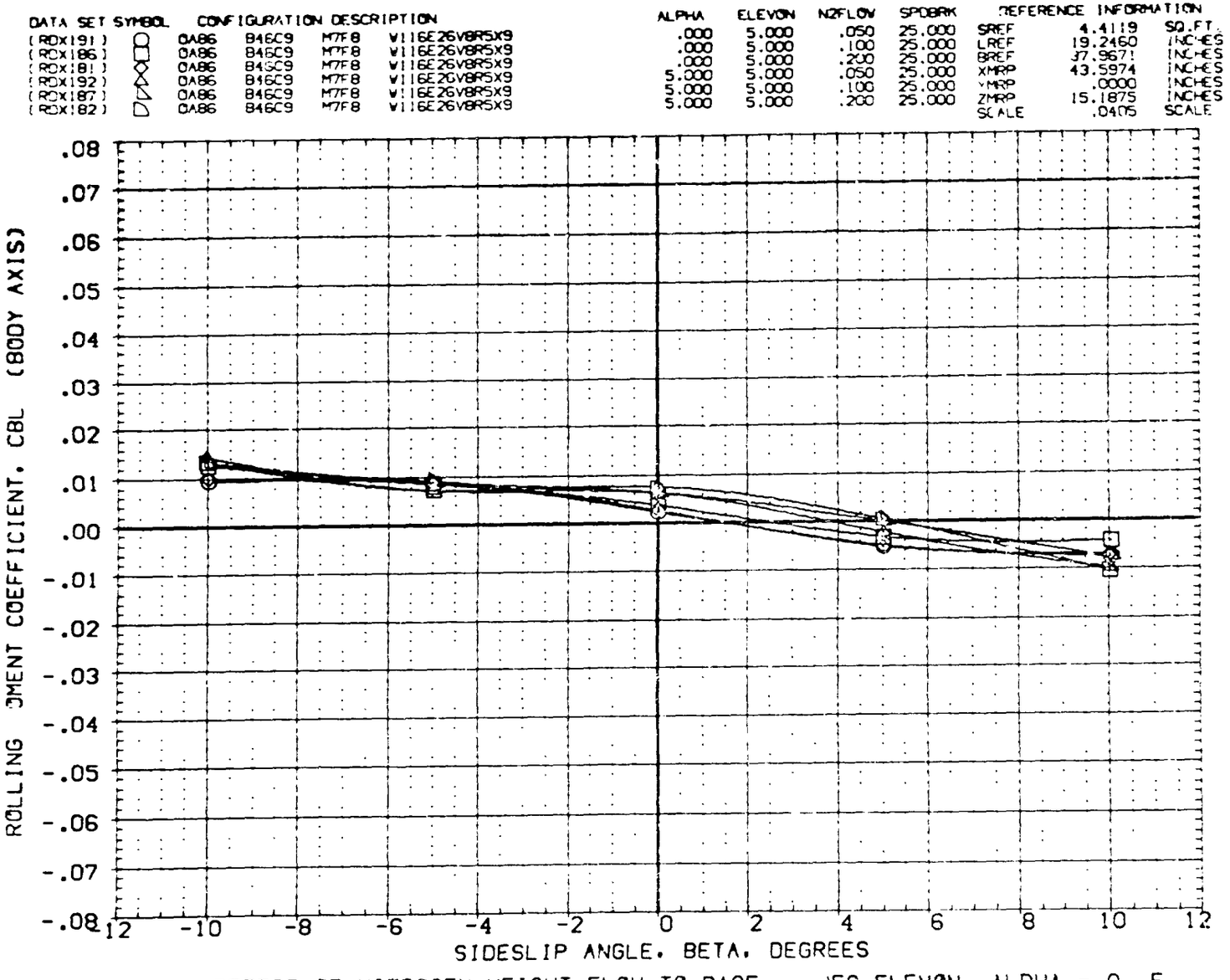



FIG 52 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 3 JEG ELEVON, ALPHA = 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R0x193) | ◇ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (R0x188) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (R0x183) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (R0x194) | ▽ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (R0x189) | ○ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (R0x184) | ☆ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | N2FLOW | SPOILR |
|---|---|---|---|
| 10.000 | 5.000 | .050 | 25.000 |
| 10.000 | 5.000 | .100 | 25.000 |
| 10.000 | 5.000 | .200 | 25.000 |
| 15.000 | 5.000 | .050 | 25.000 |
| 15.000 | 5.000 | .100 | 25.000 |
| 15.000 | 5.000 | .200 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 13.2150 | INCHES |
| BREF | 37.5297 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.4775 | INCHES |
| SCALE | .0400 | SCALE |

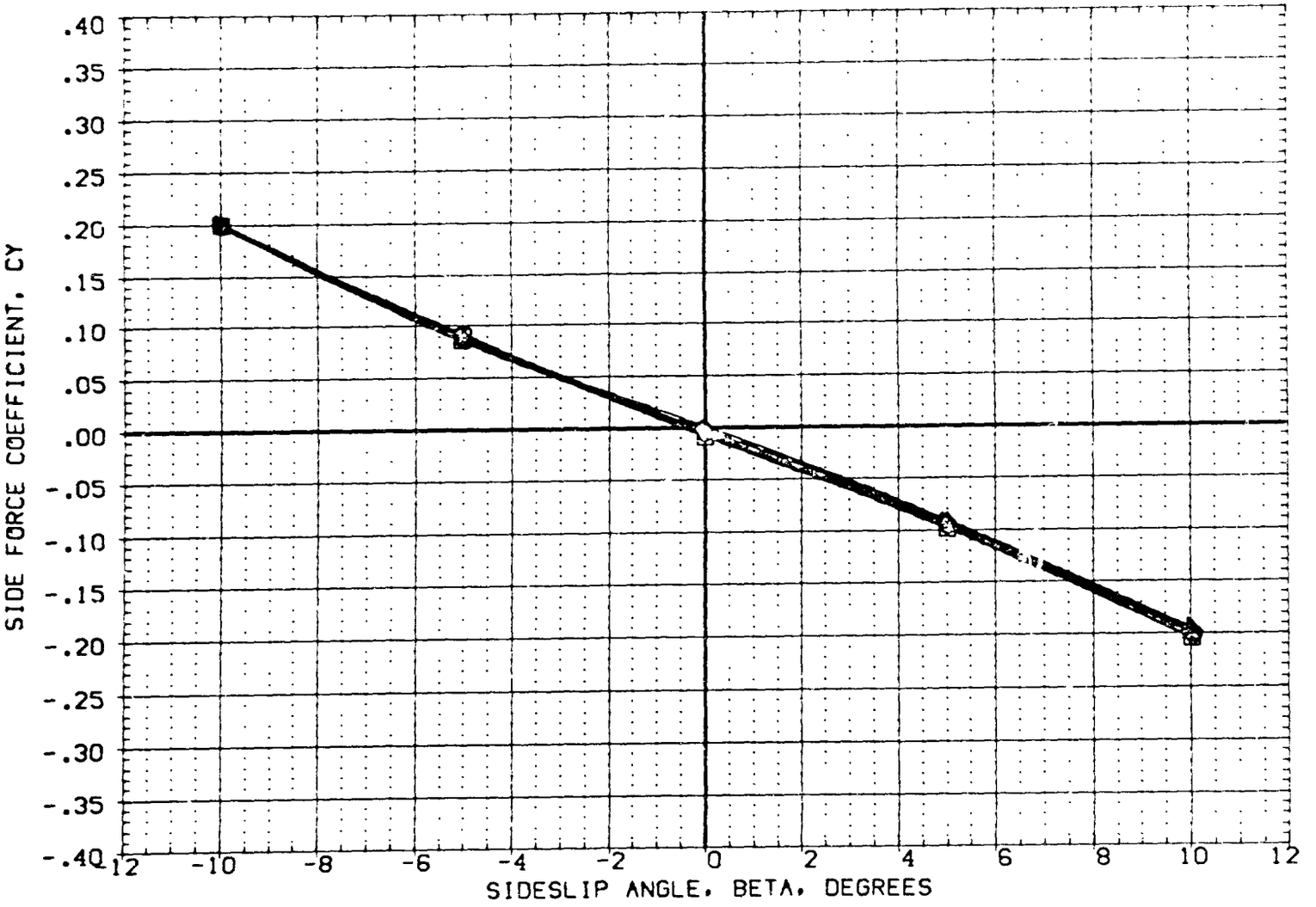



FIG 53 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, ALPHA = 10, 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX193) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .050 | 25.000 |
| (ROX188) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .100 | 25.000 |
| (ROX183) | ◇ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .200 | 25.000 |
| (ROX194) | △ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .050 | 25.000 |
| (ROX189) | ▷ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .100 | 25.000 |
| (ROX184) | ▷ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2160 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

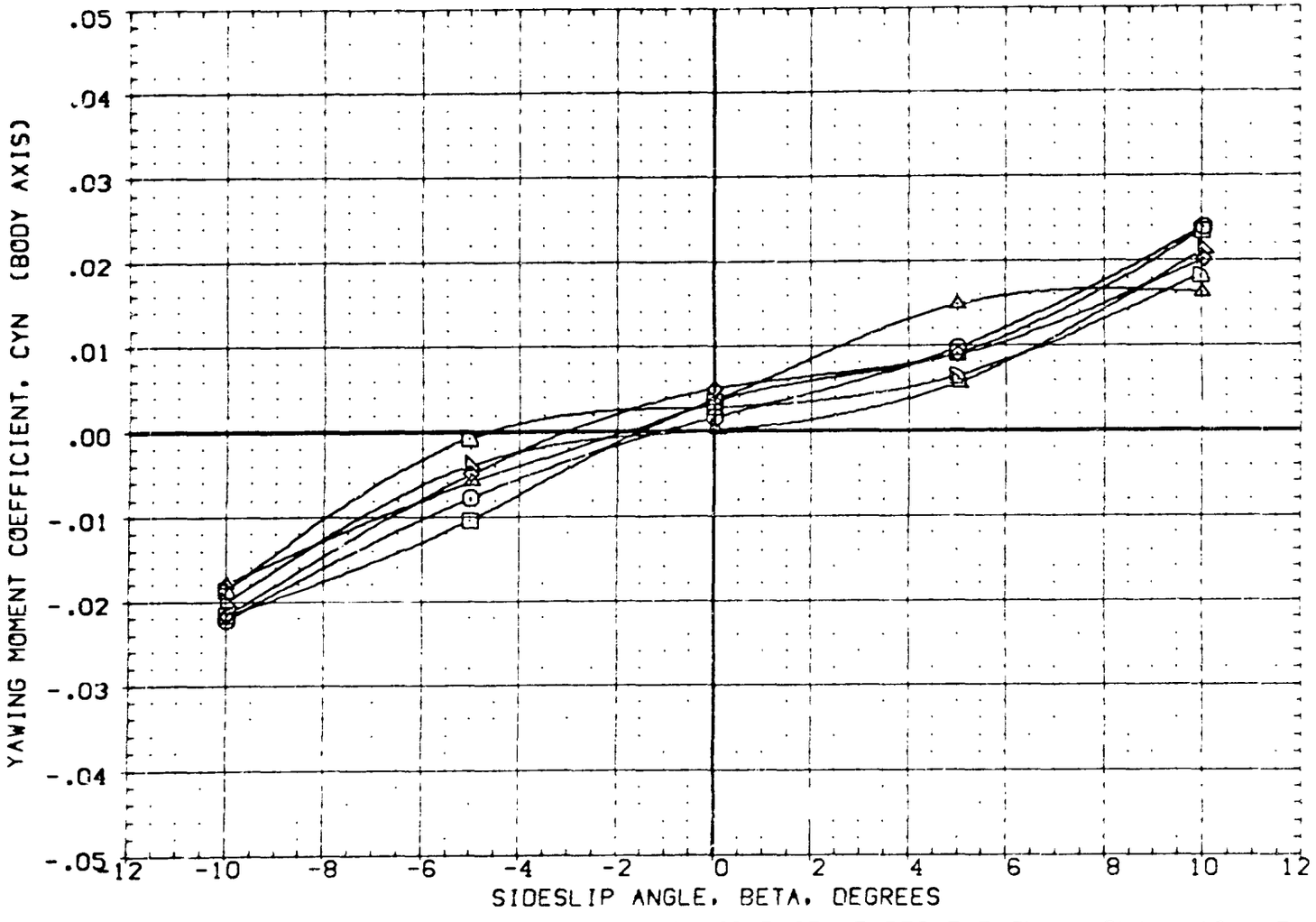



FIG 53 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, ALPHA = 10, 15

(A)MACH = .20

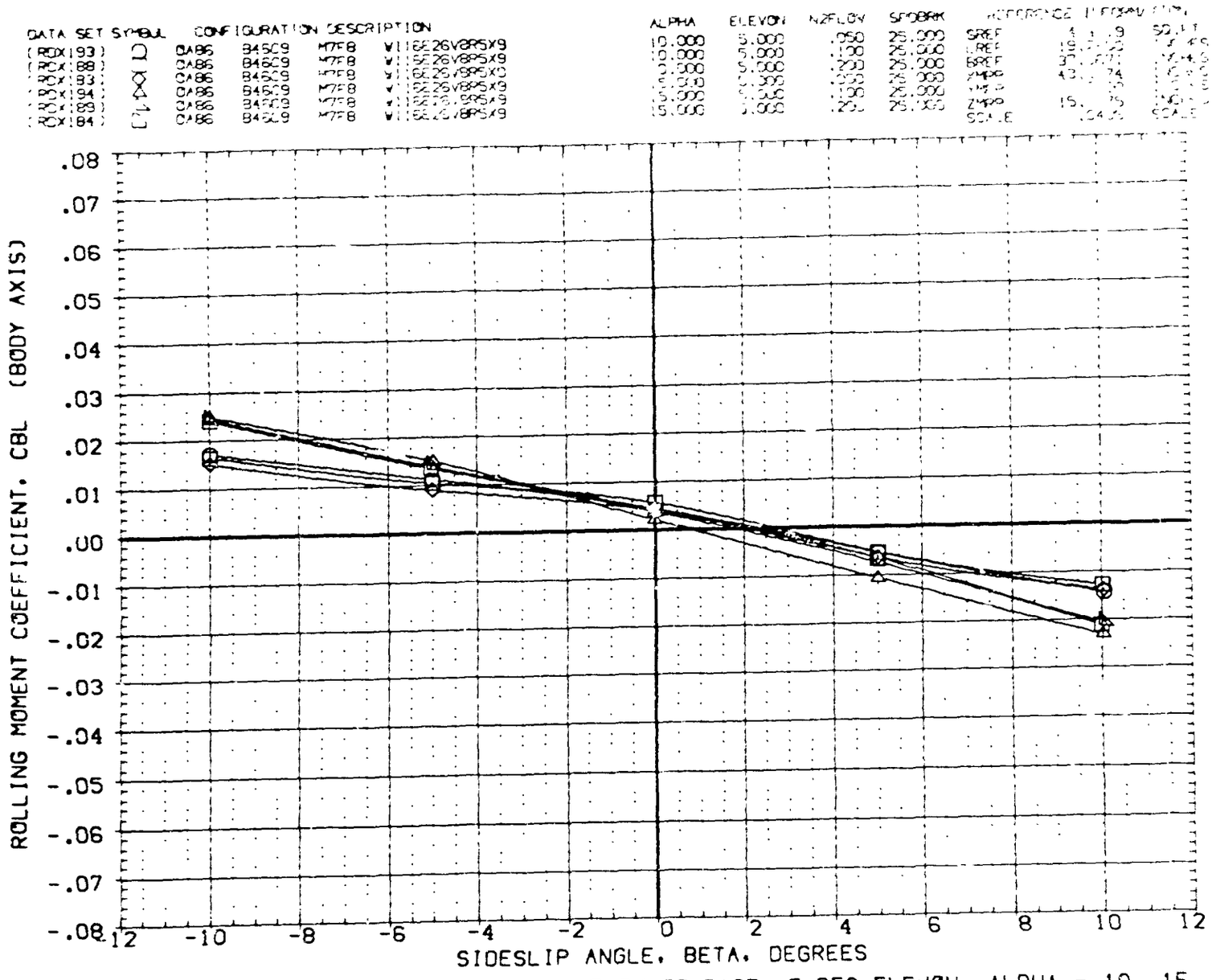



FIG 53 EFFECT OF NITROGEN WEIGHT FLOW TO BASE, 5 DEG ELEVON, ALPHA = 10, 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX255) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | | 25.000 |
| (ADX260) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .020 | 25.000 |
| (ADX250) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .050 | 25.000 |
| (ADX245) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .100 | 25.000 |
| (ADX240) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

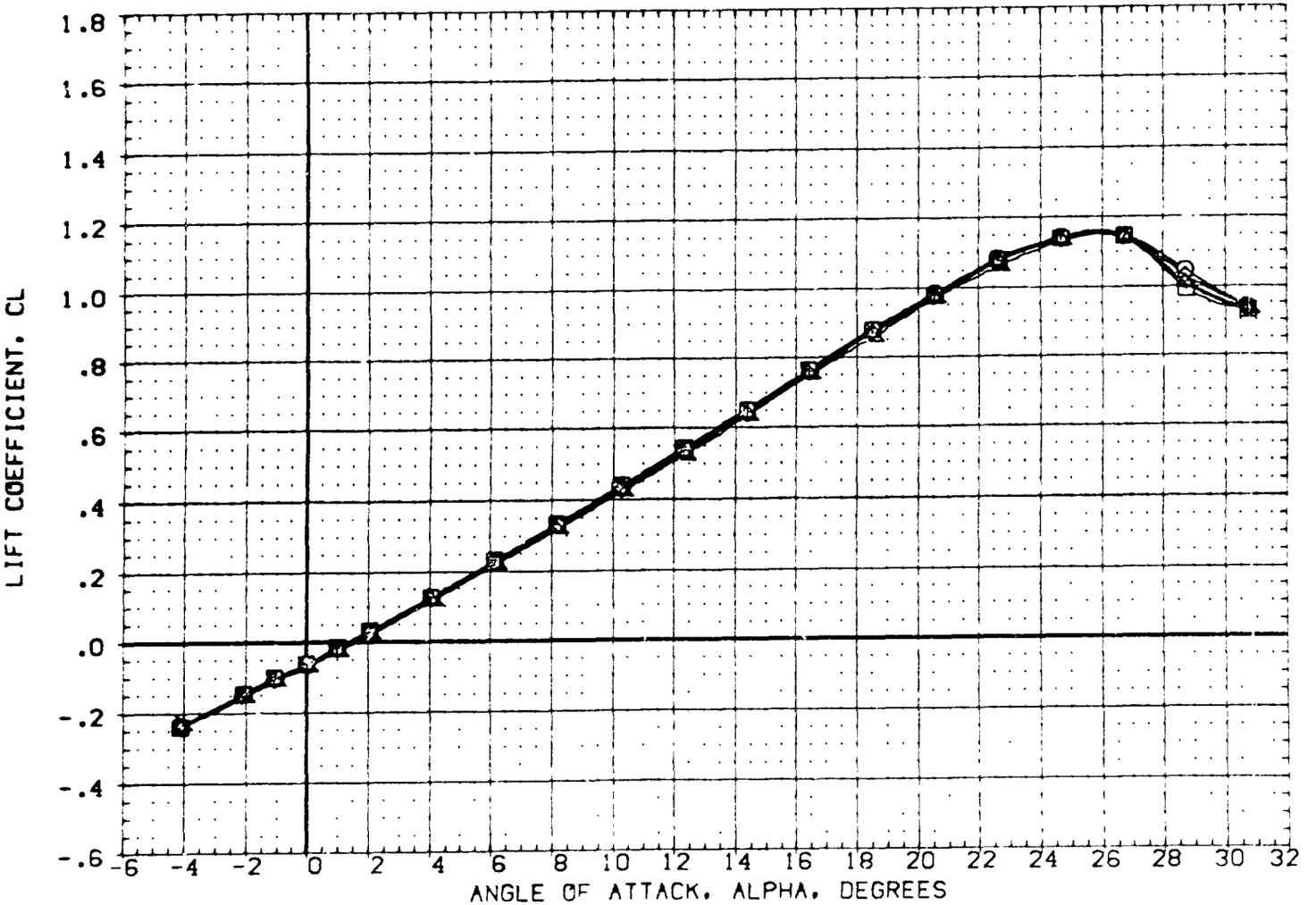



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

(A)MACH = .20

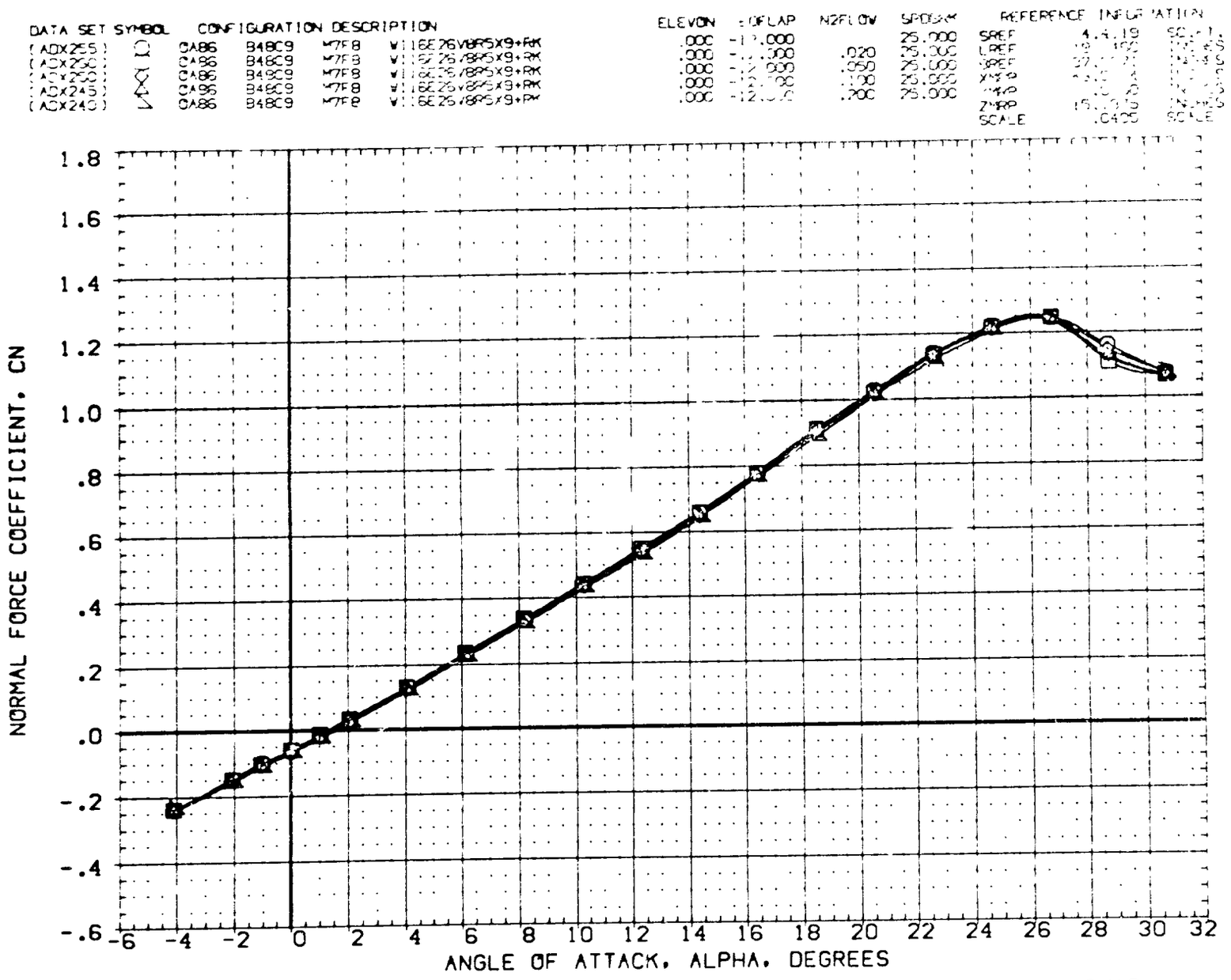



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | N2FLOW | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX255) | □ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | | 25.000 |
| (ADX260) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .020 | 25.000 |
| (ADX250) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .050 | 25.000 |
| (ADX245) | △ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .100 | 25.000 |
| (ADX240) | △ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

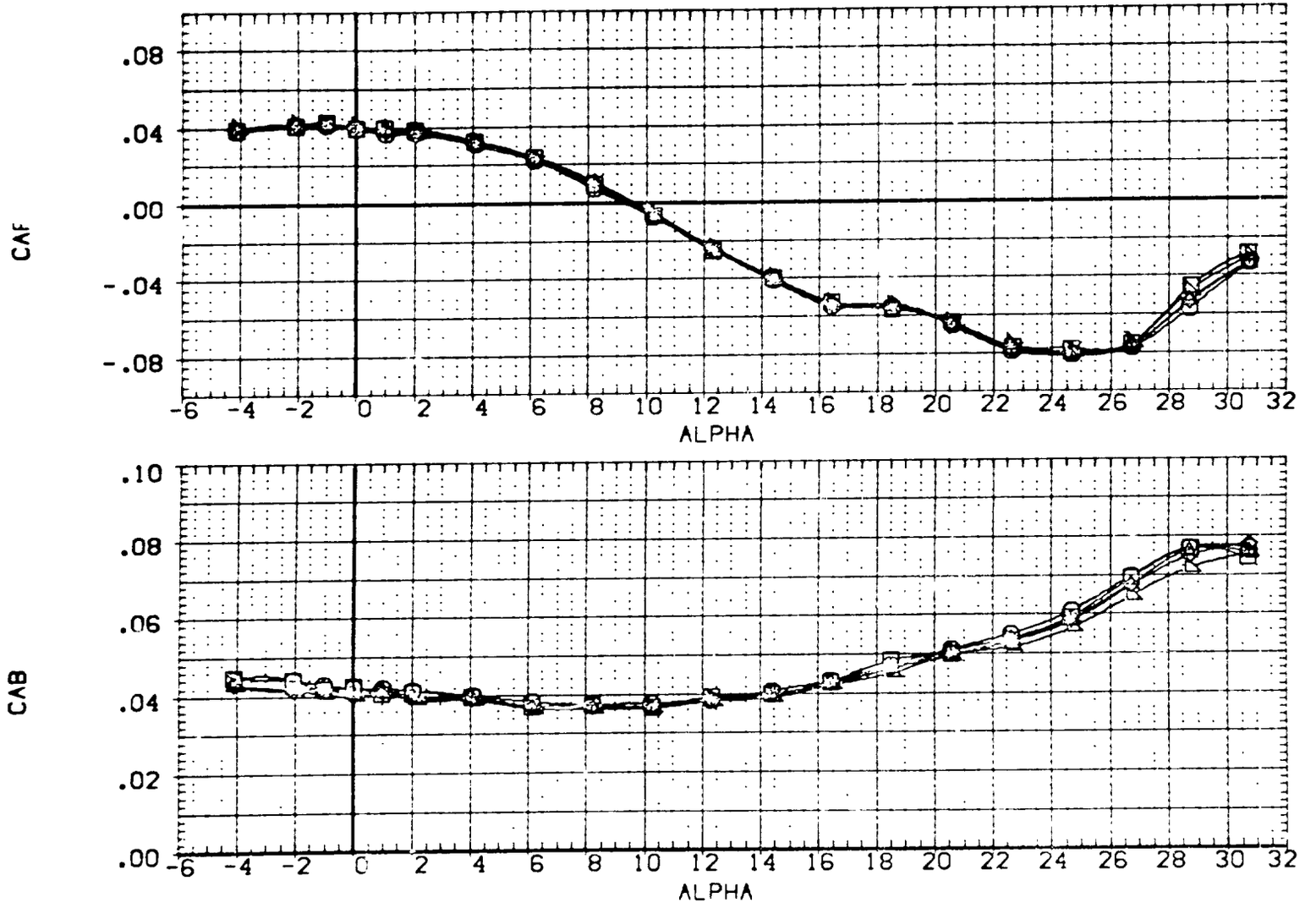



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

(A)MACH = .20

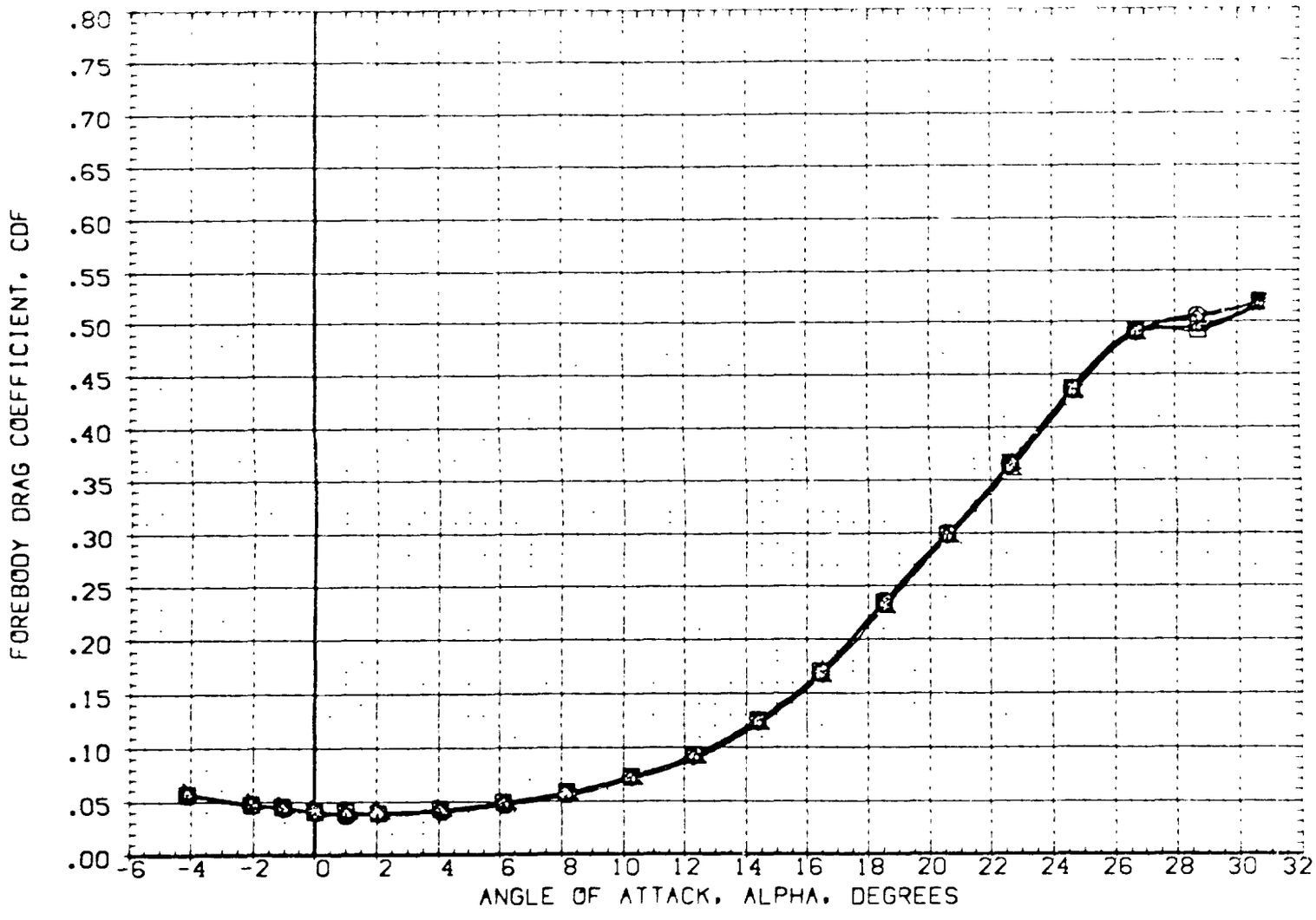



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | | NZFLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (A0X255) | □ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | | 25.000 |
| (A0X260) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .020 | 25.000 |
| (A0X250) | ⊠ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .050 | 25.000 |
| (A0X245) | △ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .100 | 25.000 |
| (A0X240) | ▽ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

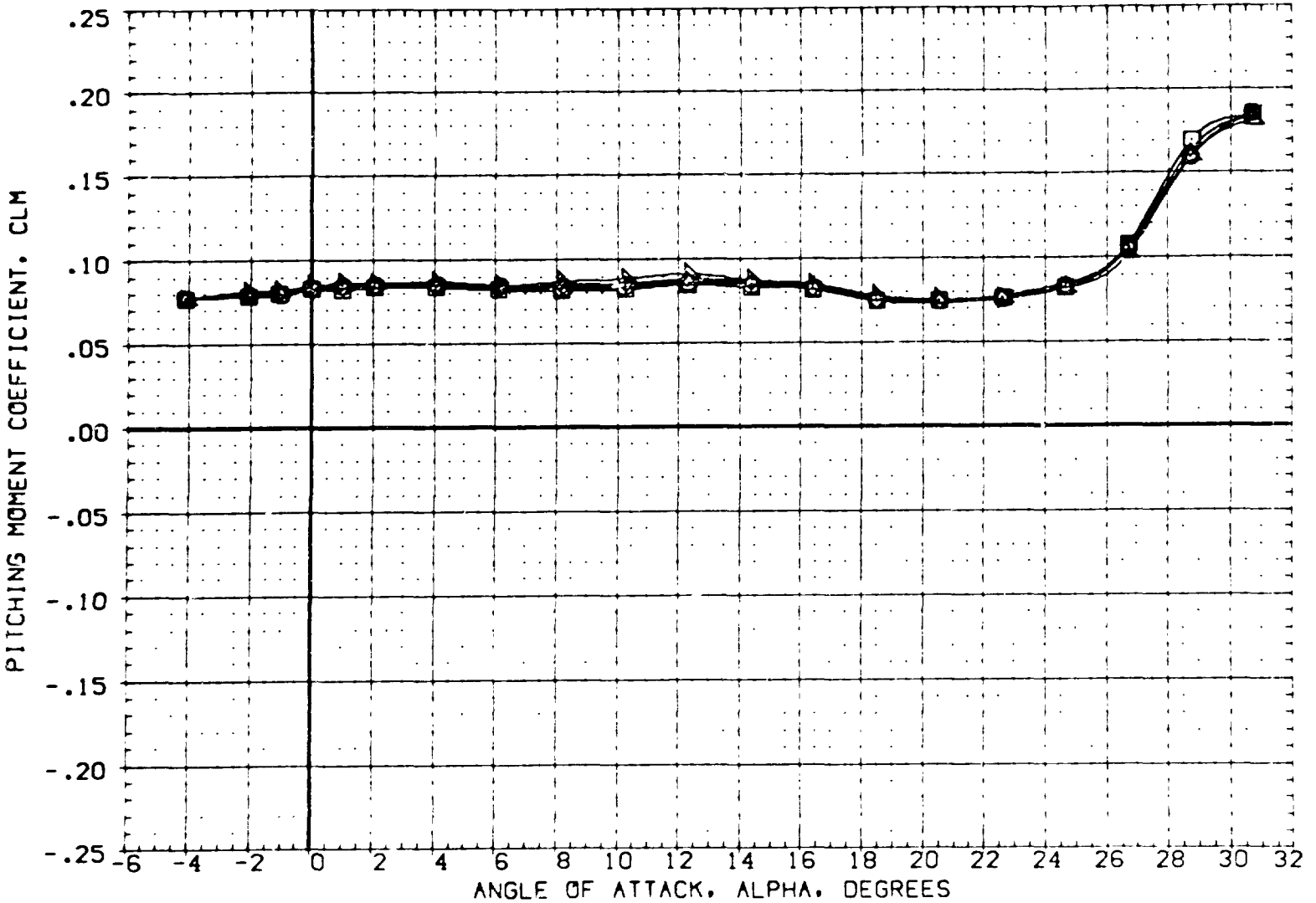



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx255) | ○ | DA86 | B48C9 | M7F8 | W1166E26V8R5X9+RK |
| (ADx260) | □ | DA86 | B48C9 | M7F8 | W1166E26V8R5X9+RK |
| (ADx250) | ◇ | DA86 | B48C9 | M7F8 | W1166E26V8R5X9+RK |
| (ADx245) | △ | DA86 | B48C9 | M7F8 | W1166E26V8R5X9+RK |
| (ADx240) | ▽ | DA86 | B48C9 | M7F8 | W1166E26V8R5X9+RK |

| ELEVON | BDY AP | NZFLOV | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .020 | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.41[illegible]9 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.[illegible]875 | INCHES |
| SCALE | .0405 | SCALE |

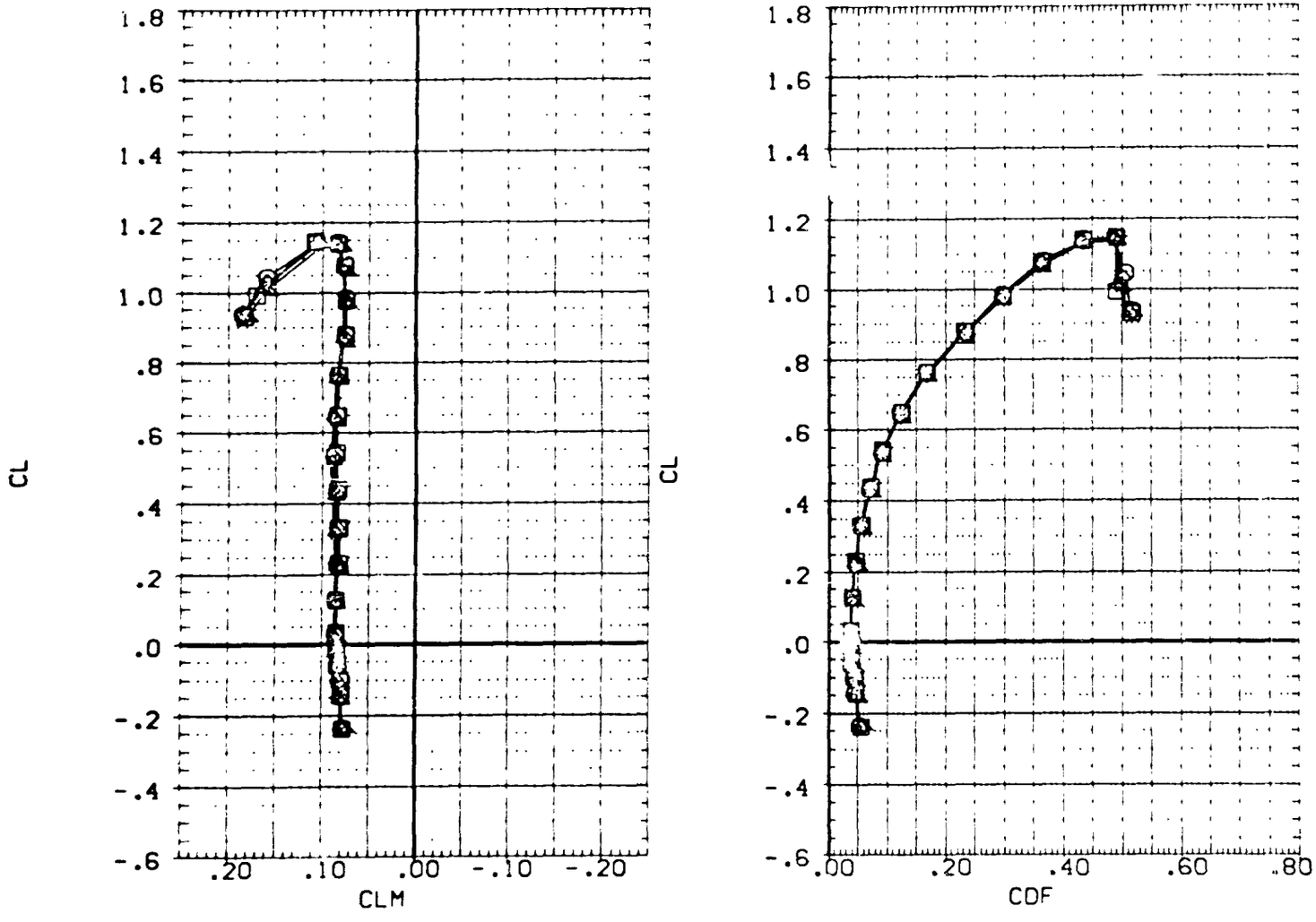



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

(A)MACH = .20

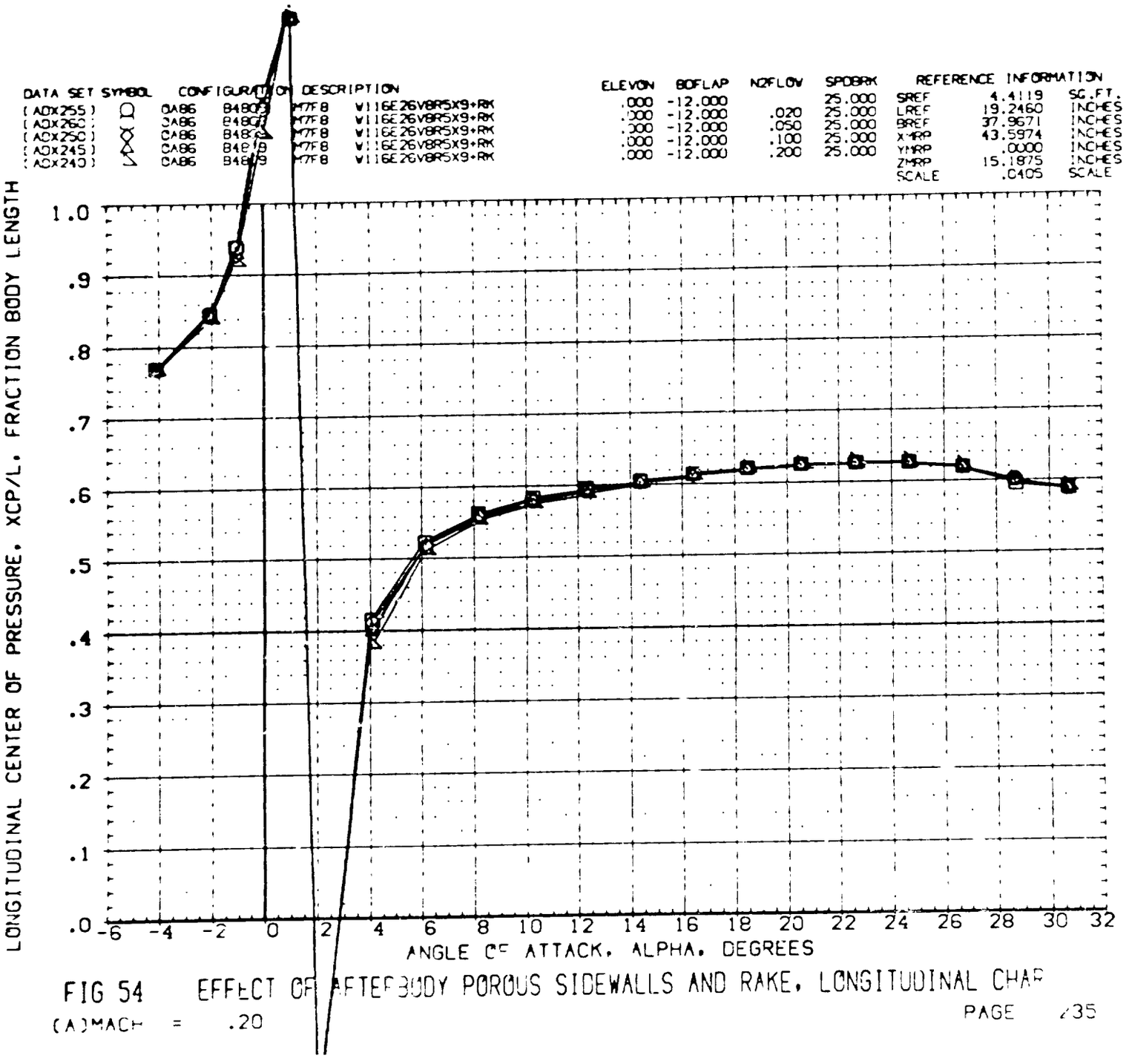



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR

(A) MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOx255) | □ | CA86 | 48C9 | M7F8 | W116E26V8R5X9+RK |
| (AOx260) | ◇ | CA86 | B48C9 | M7F8 | W1 6E26V8R5X9+RK |
| (AOx250) | △ | CA86 | B48C9 | M7F8 | W1 6E26V8R5X9+RK |
| (AOx245) | ▽ | CA86 | B48C9 | M7F8 | W 6E26V8R5X9+RK |
| (AOx240) | ◁ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |

| ELEVON | BDFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .020 | 25.000 |
| .000 | -12.000 | .060 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0425 | SCALE |

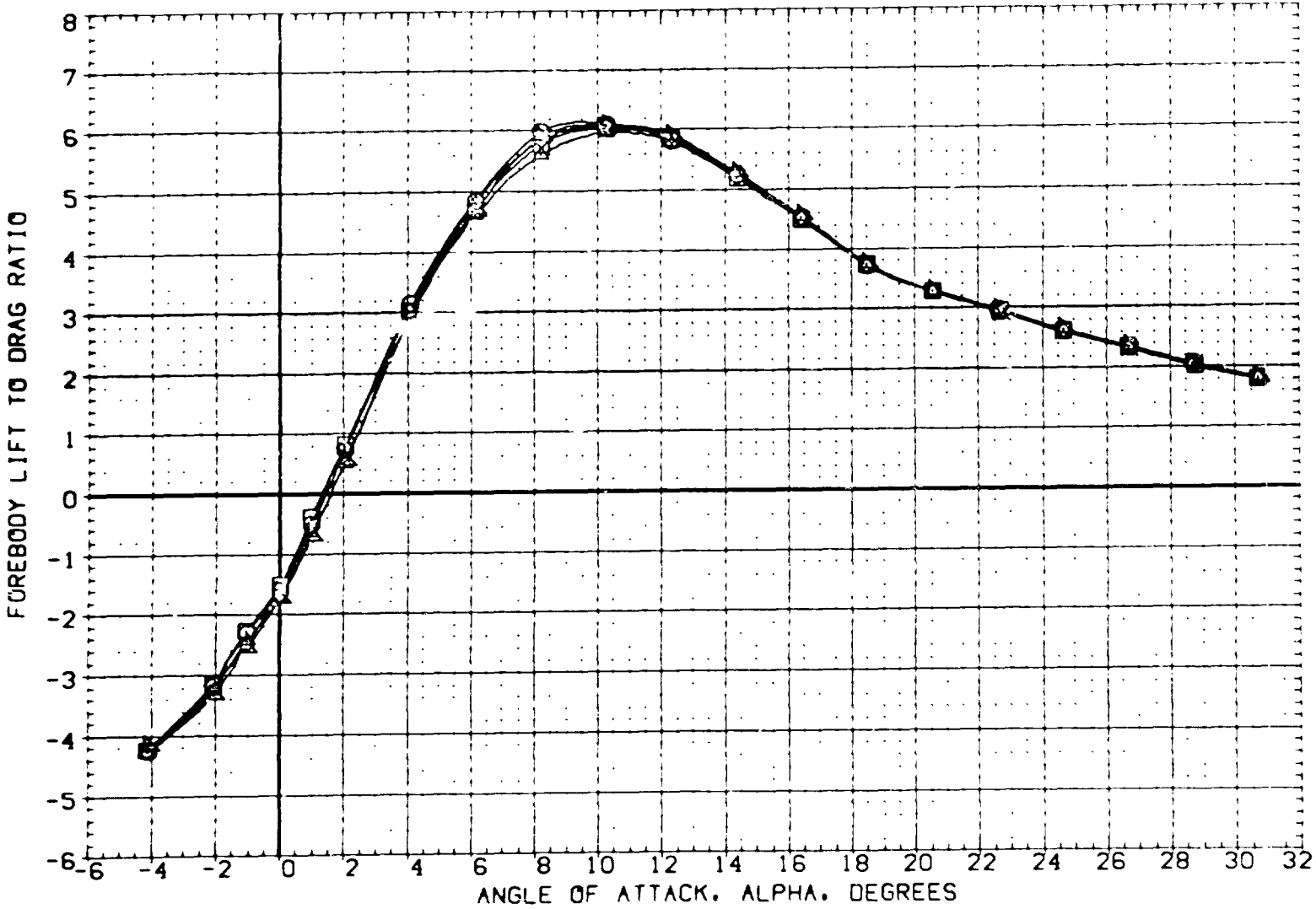



FIG 54 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LONGITUDINAL CHAR.

.A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RCx256) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | | 25.000 |
| (RCx26:) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .020 | 25.000 |
| (RCx25:) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .050 | 25.000 |
| (RCx246) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .100 | 25.000 |
| (RCx24:) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

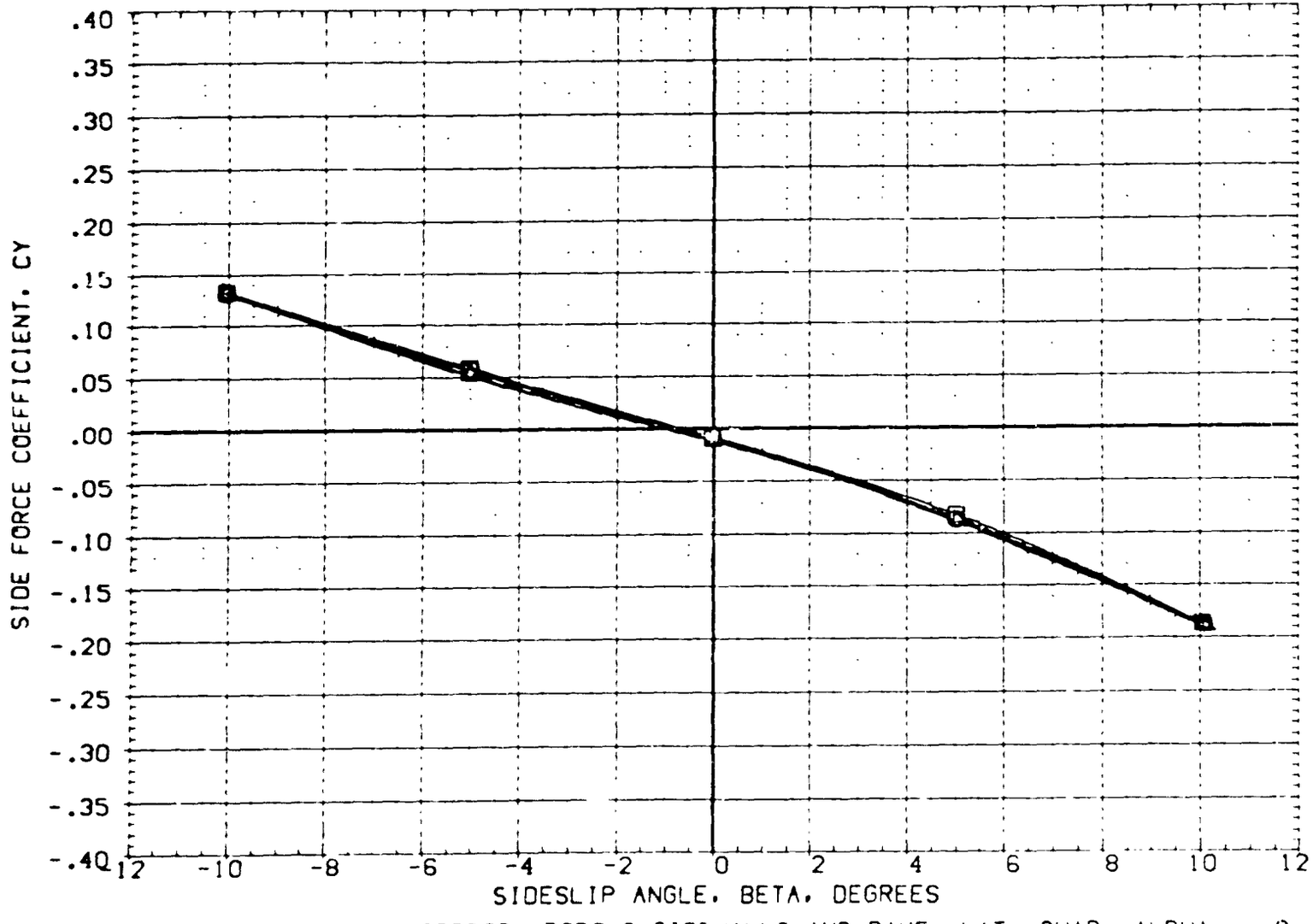



FIG 55 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 0

(A)MACH = .20

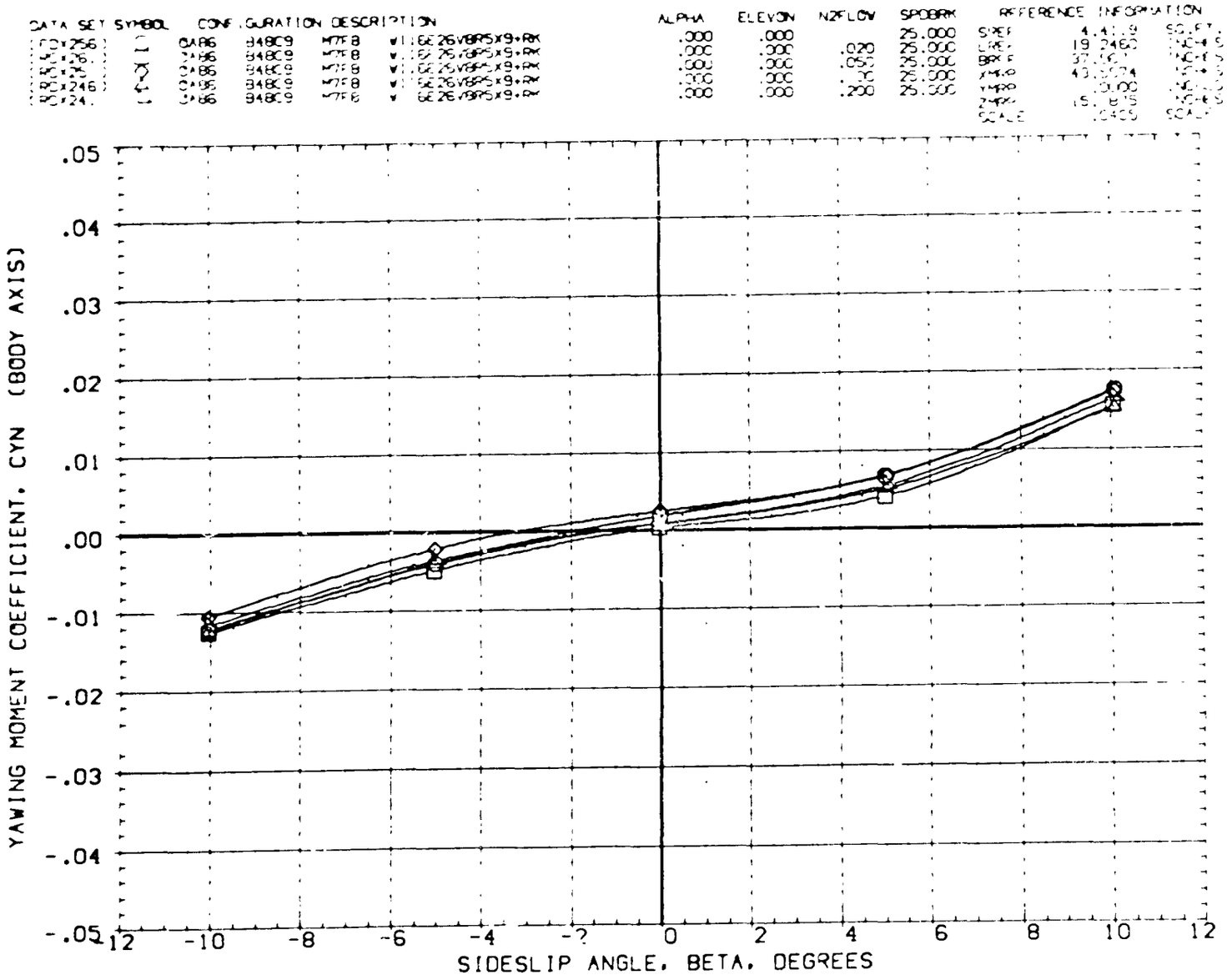



FIG 55 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX256) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | | 25.000 |
| (ROX261) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .020 | 25.000 |
| (ROX251) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .050 | 25.000 |
| (ROX246) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .100 | 25.000 |
| (ROX241) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

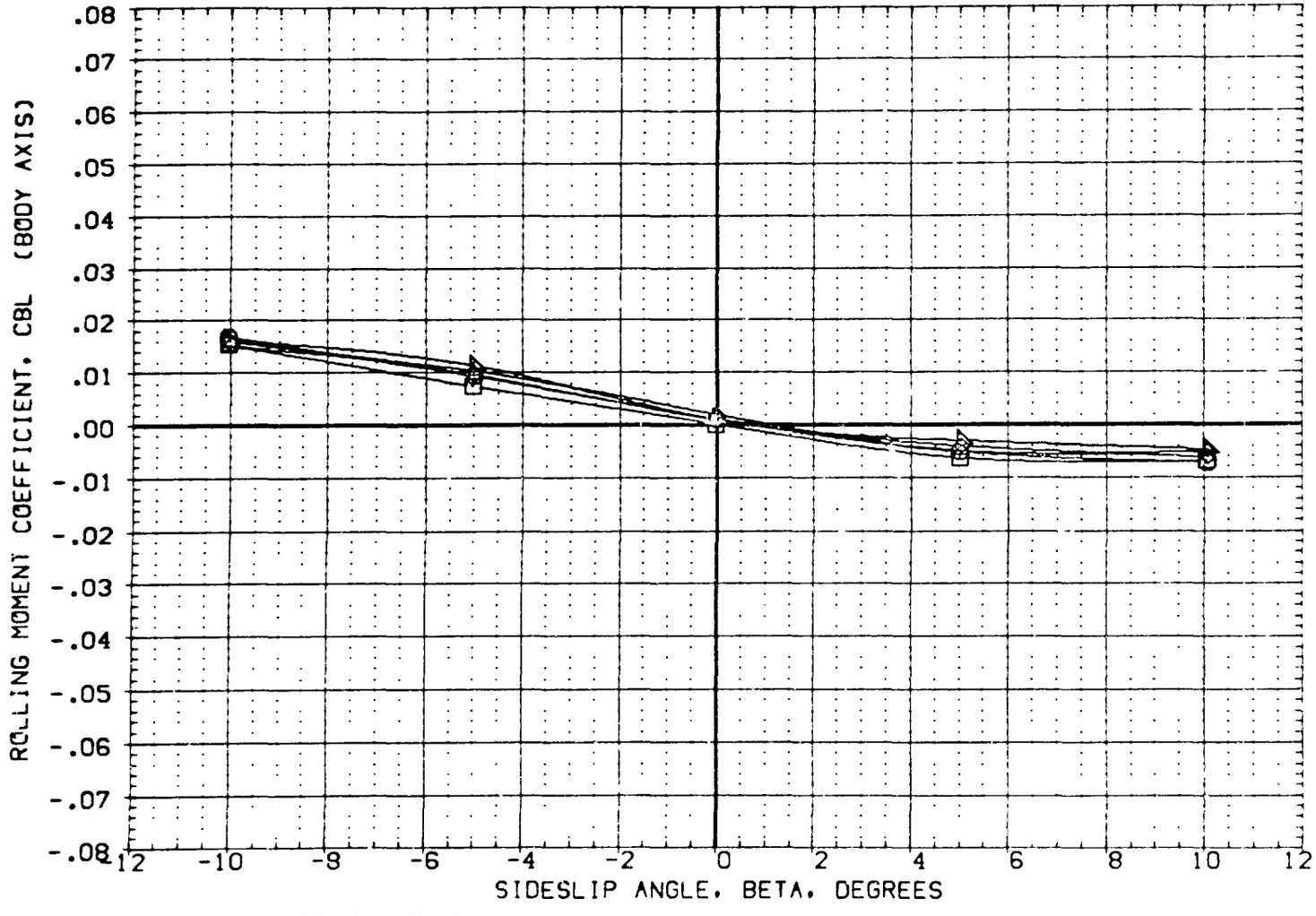



FIG 55 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX257) | □ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | | 25.000 |
| (ROX262) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .020 | 25.000 |
| (ROX252) | ⊗ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .050 | 25.000 |
| (ROX247) | △ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .100 | 25.000 |
| (ROX242) | ▽ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

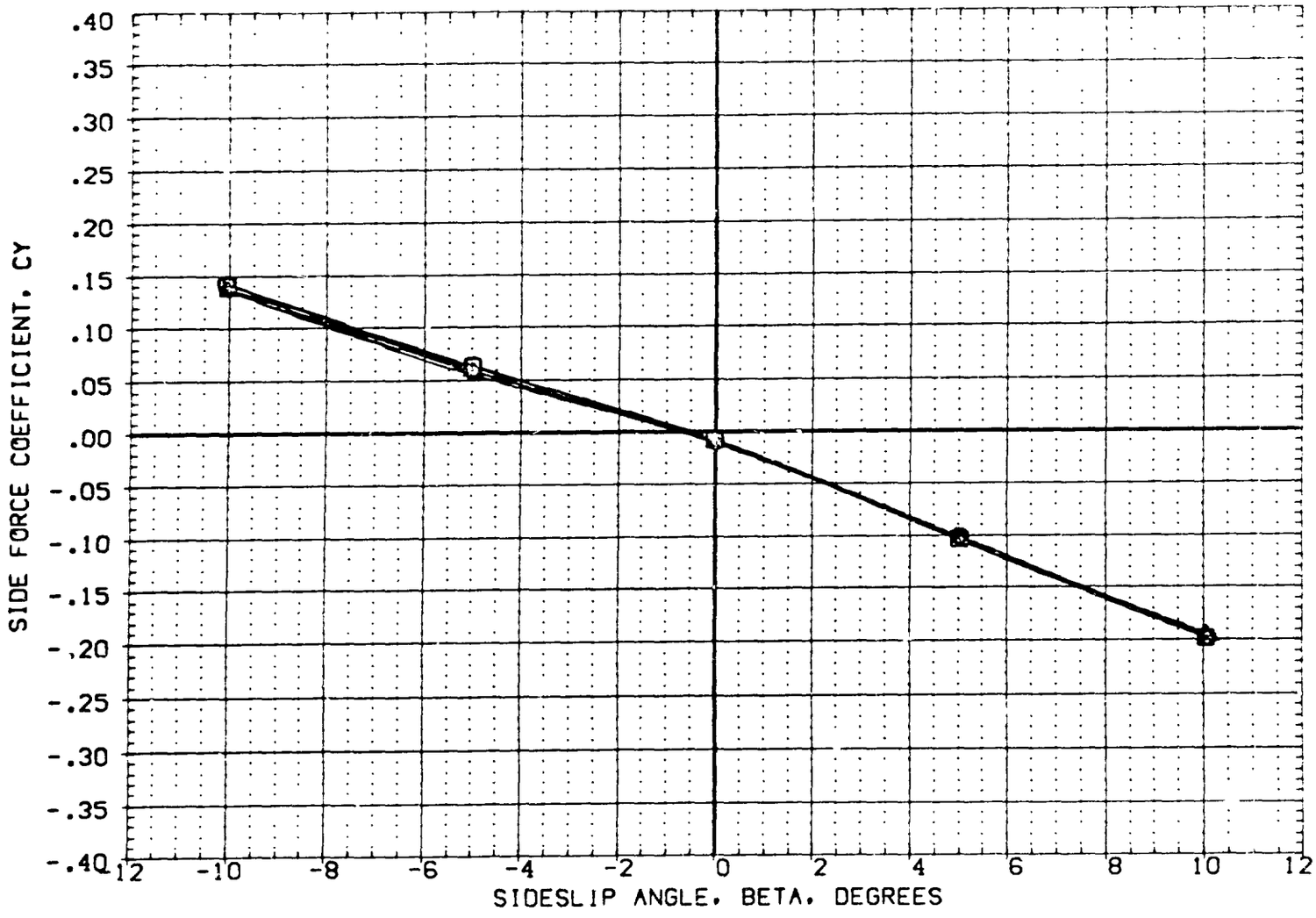



FIG 56 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX257) | ○ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | | 25.000 |
| (ROX262) | □ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .020 | 25.000 |
| (ROX252) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .050 | 25.000 |
| (ROX247) | △ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .100 | 25.000 |
| (ROX242) | ▷ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

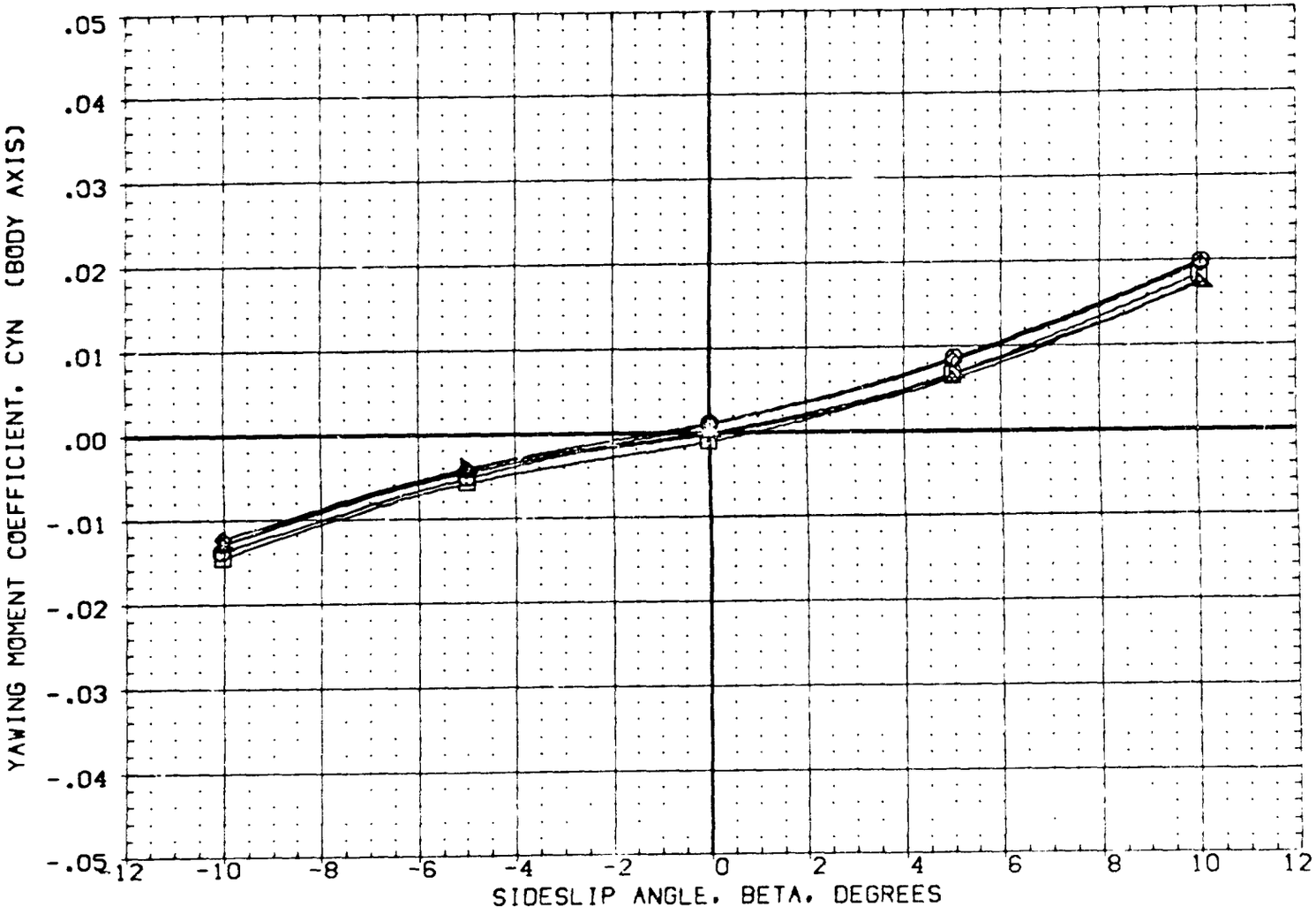



FIG 56 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R0x257) | □ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK |
| (R0x262) | ◇ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK |
| (R0x252) | △ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK |
| (R0x247) | ▽ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK |
| (R0x242) | ◁ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK |

| ALPHA | ELEVON | NZFLOW | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | | 25.000 |
| 5.000 | .000 | .020 | 25.000 |
| 5.000 | .000 | .050 | 25.000 |
| 5.000 | .000 | .100 | 25.000 |
| 5.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5924 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

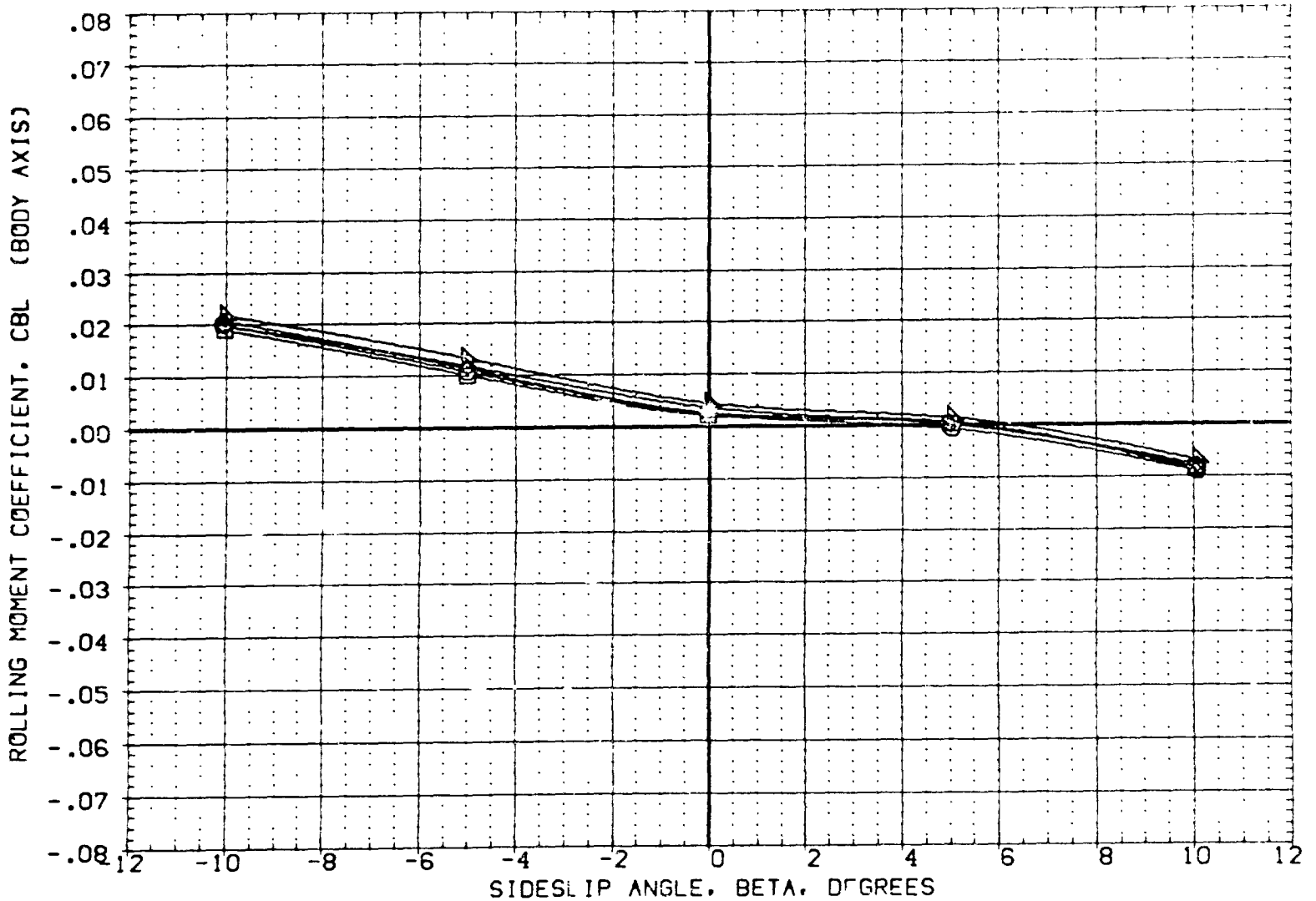



FIG 56 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX258) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | | 25.000 |
| (ROX263) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .020 | 25.000 |
| (ROX253) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .050 | 25.000 |
| (ROX248) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .100 | 25.000 |
| (ROX243) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

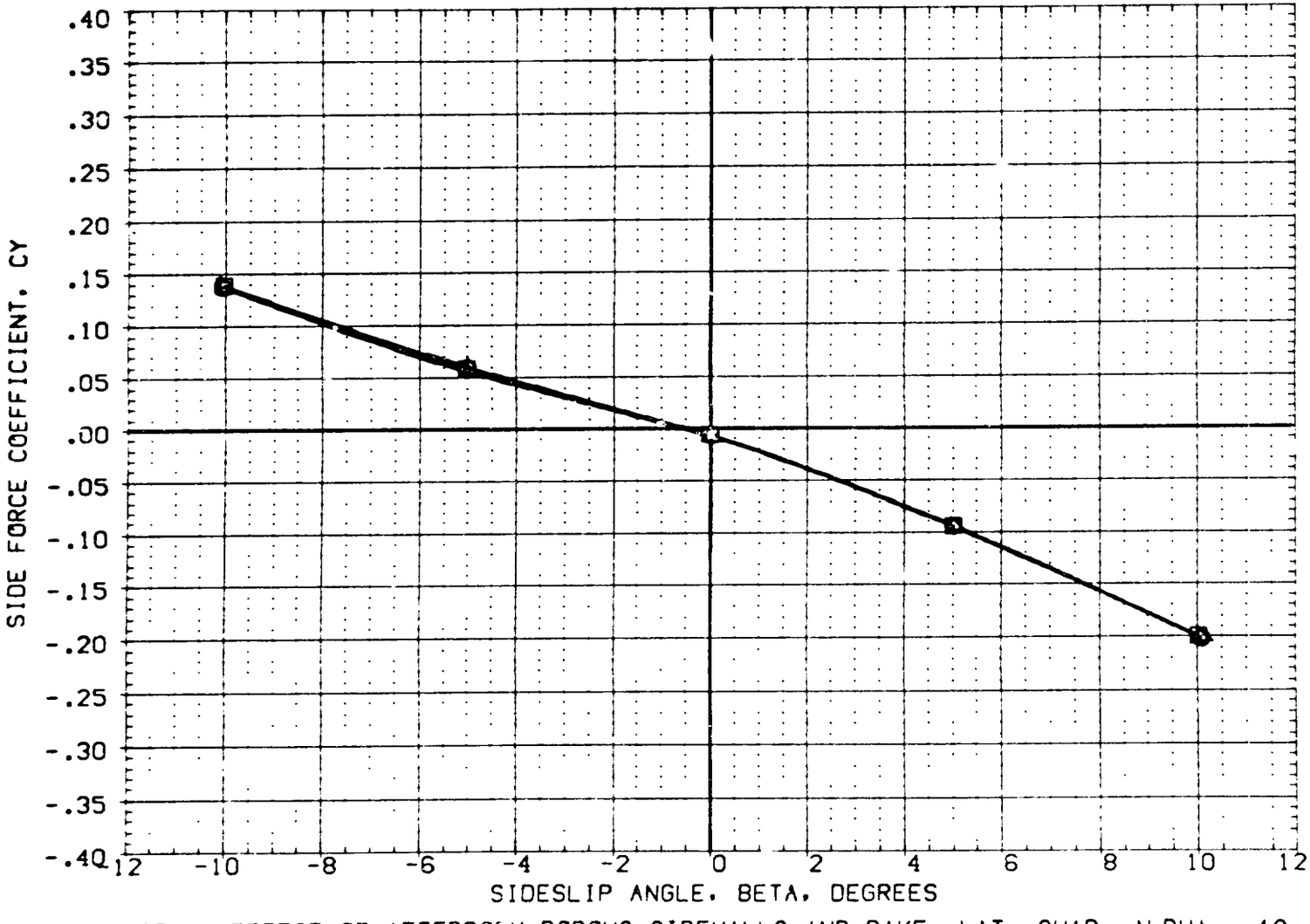



FIG 57 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA - 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RUN258) | | CA86 | B48C9 | M7F3 | W116E26V8R5X9+RX |
| (RUN263) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (RUN253) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (RUN248) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (RUN243) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |

| PHA | ELEVON | N2FLOW | SPDBRK |
|---|---|---|---|
| .000 | .000 | | 26.000 |
| 10.000 | .000 | .020 | 26.000 |
| 10.000 | .000 | .050 | 26.000 |
| 10.000 | .000 | .100 | 26.000 |
| 10.000 | .000 | .200 | 26.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

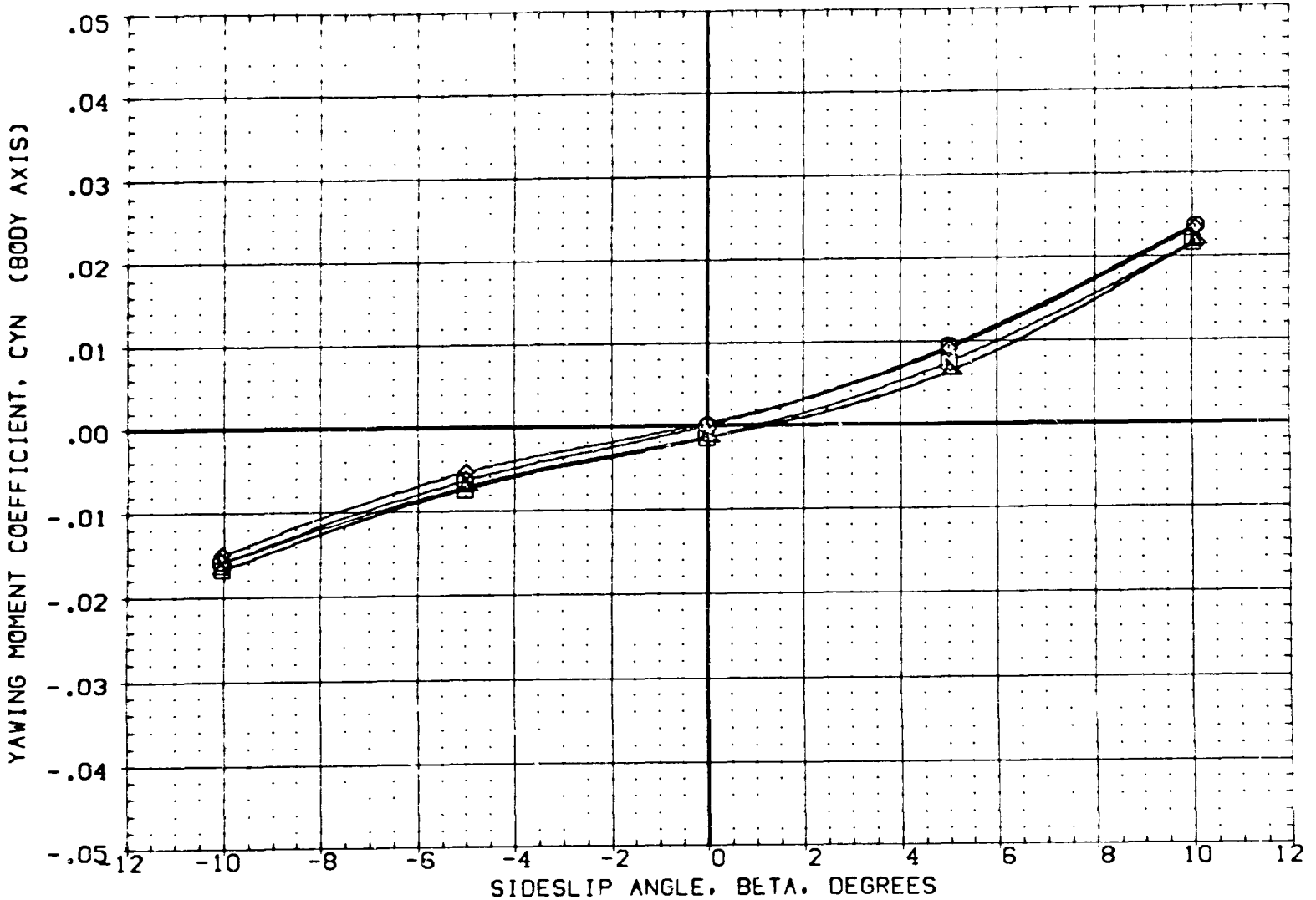



FIG 57 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | FLEVON | NZFLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RC 258) | □ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | | 25.000 |
| (RC 263) | △ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .020 | 25.000 |
| (RCx253) | ◇ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .050 | 25.000 |
| (RCx248) | ▽ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .100 | 25.000 |
| (RCx243) | ◁ | 0A86 | 848C9 | M7F8 | W116E26V8R5X9+RK | 10.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

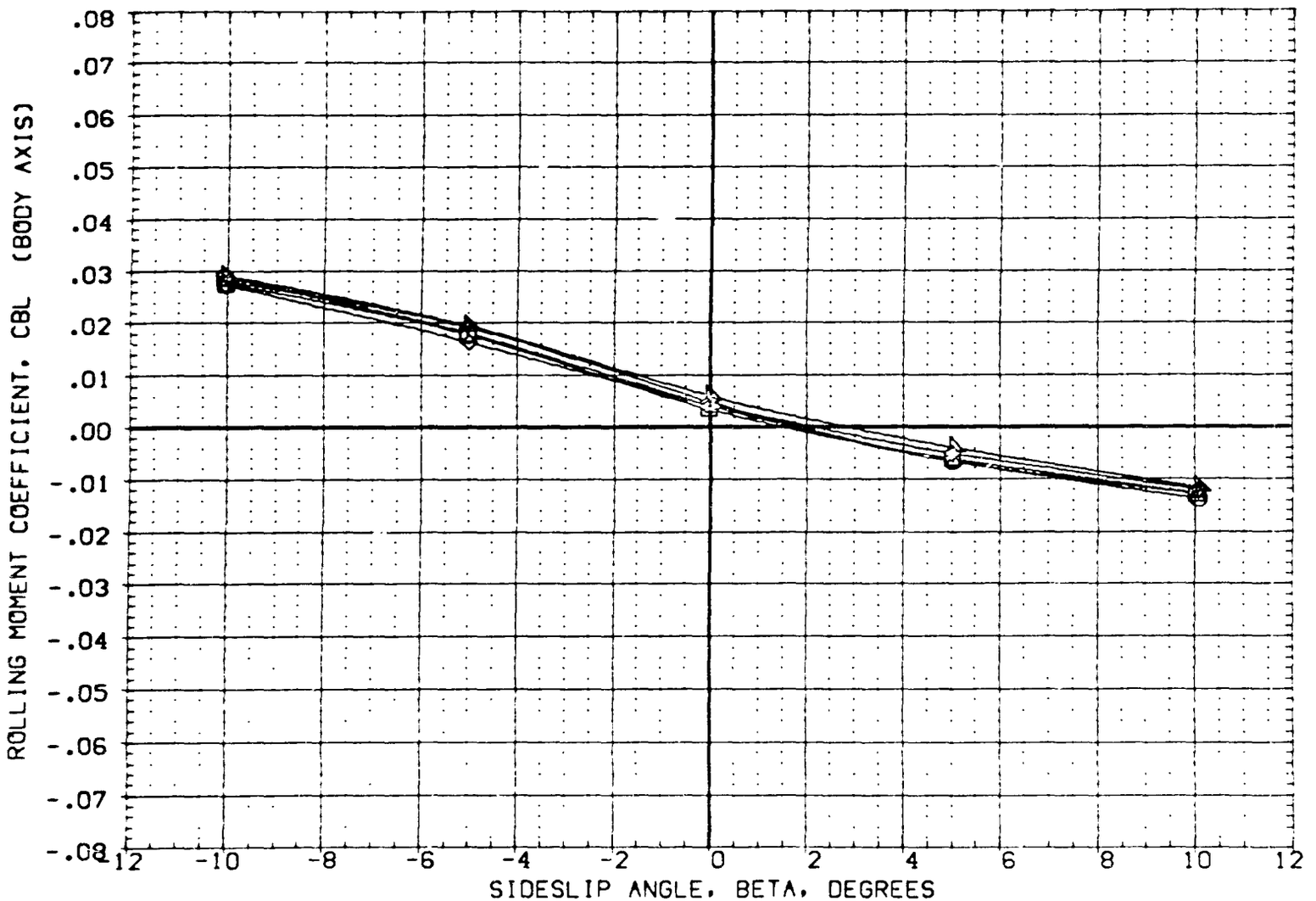



FIG 57 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROx259) | □ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (ROx264) | ◇ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (ROx254) | △ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (ROx249) | ▽ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |
| (ROx244) | ◁ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RX |

| ALPHA | ELEVON | N2FLOW | SPDBRK |
|---|---|---|---|
| 15.000 | .000 | | 25.000 |
| 15.000 | .000 | .020 | 25.000 |
| 15.000 | .000 | .050 | 25.000 |
| 15.000 | .000 | .100 | 25.000 |
| 15.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

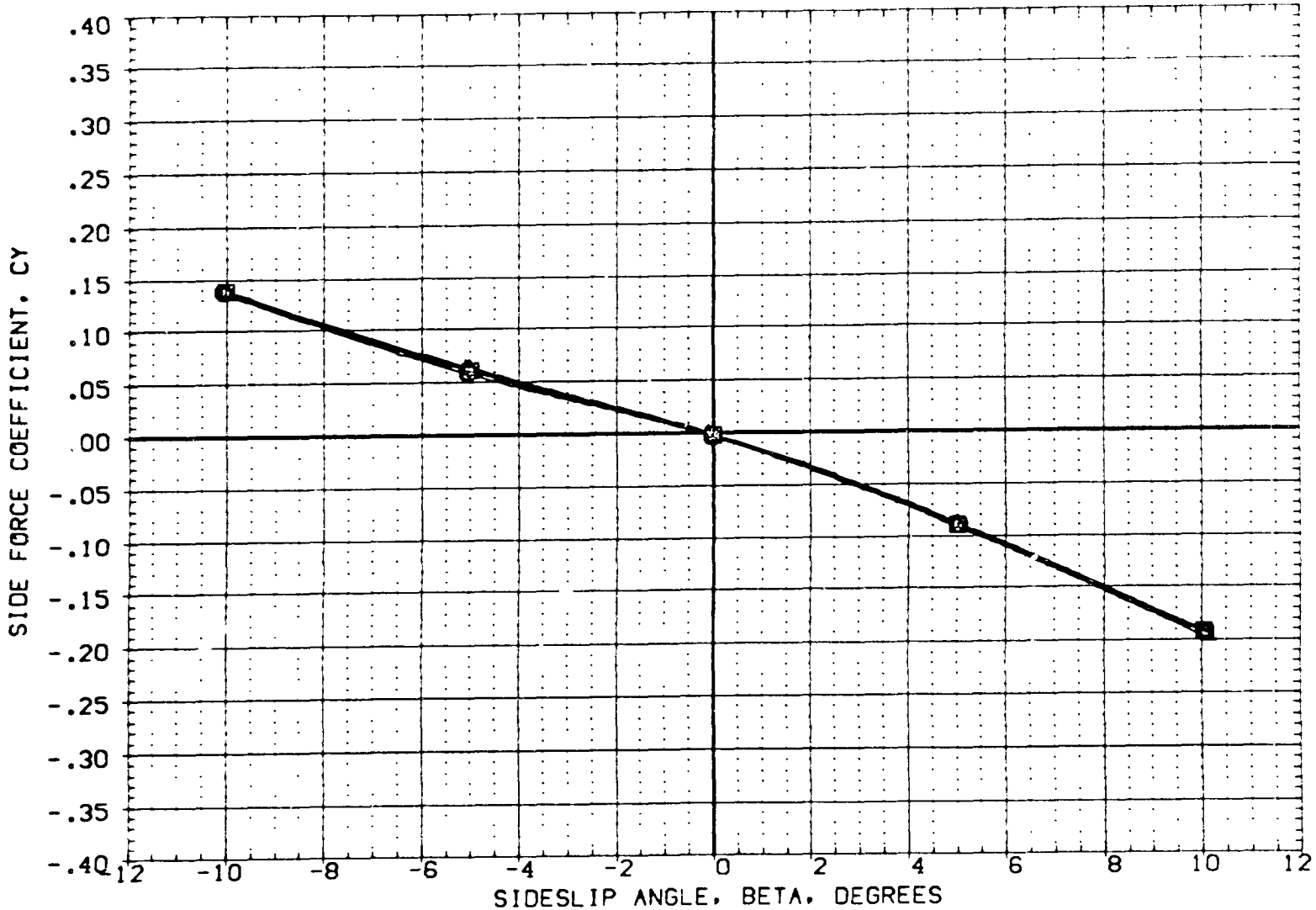



FIG 58 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX259) | □ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ROX264) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ROX254) | △ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ROX249) | ▽ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ROX244) | ◁ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |

| ALPHA | ELEVON | N2FLOW | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | | 25.000 |
| 15.000 | .000 | .020 | 25.000 |
| 15.000 | .000 | .050 | 25.000 |
| 15.000 | .000 | .100 | 25.000 |
| 15.000 | .000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

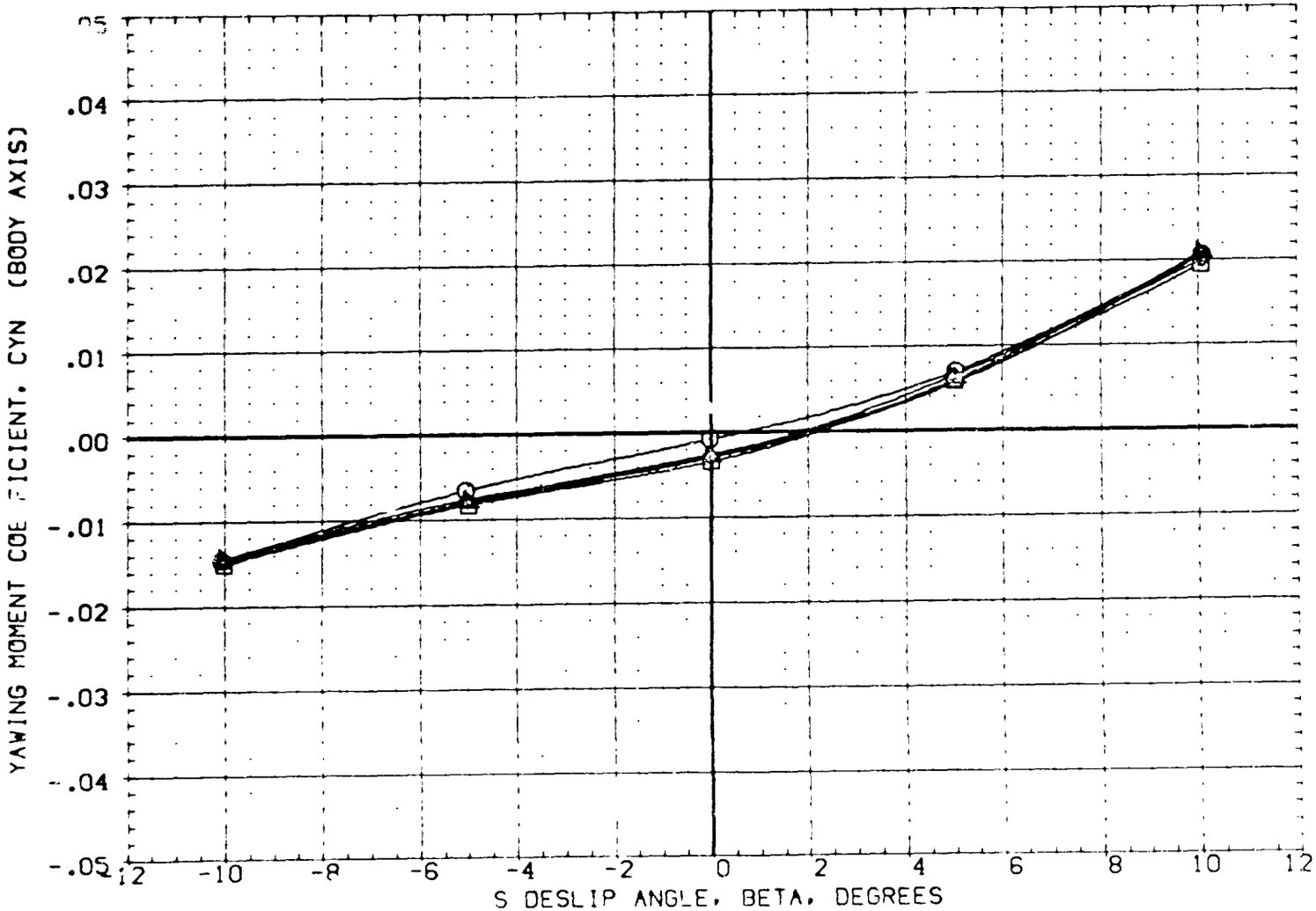



FIG 58 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RUN 259) | | OA86 | B48C9 | M7F8 | W1:16E26,V8R5X9+RX |
| (RUN 254) | | OA86 | B48C9 | M7F8 | W1:16E26,V8R5X9+RX |
| (RUN 254) | | OA86 | B48C9 | M7F8 | W1:16E26,V8R5X9+RX |
| (RUN 249) | | OA86 | B48C9 | M7F8 | W1:16E26,V8R5X9+RX |
| (RUN 244) | | OA86 | B48C9 | M7F8 | W1:16E26,V8R5X9+RX |

| ALPHA | ELEVON | NZFLOW | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | | 25.000 |
| 15.000 | .000 | .020 | 25.000 |
| 15.000 | .000 | .050 | 25.000 |
| 15.000 | .000 | .100 | 25.000 |
| 15.000 | .000 | .200 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 1.41 9 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.96?1 | INCHES |
| XMRP | 43.9074 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

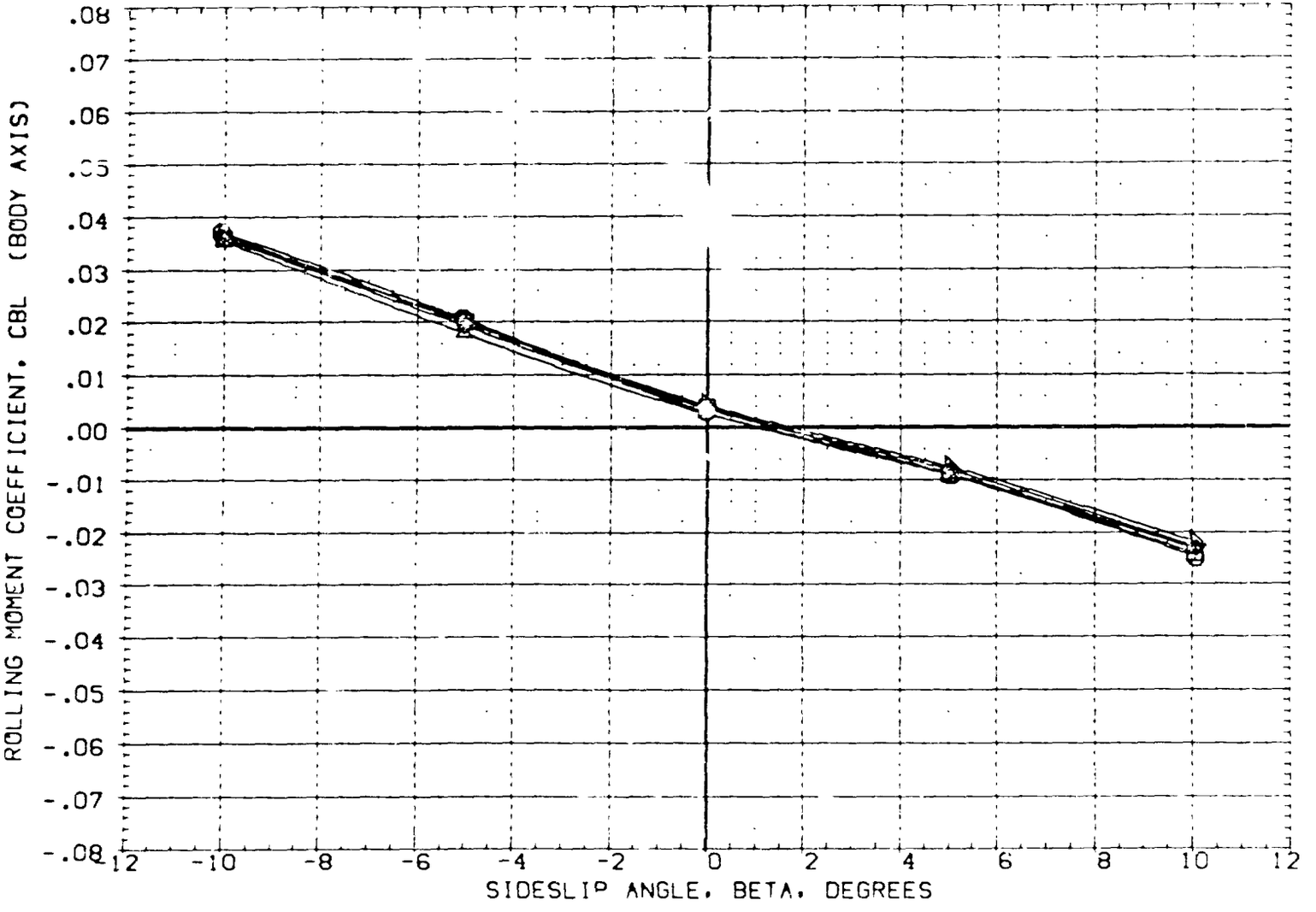



FIG 58 EFFECT OF AFTERBODY POROUS SIDEWALLS AND RAKE, LAT. CHAR, ALPHA = 15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOx265) | □ | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (AOx255) | ◇ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (AOx266) | △ | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (AOx260) | ▽ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (AOx267) | ○ | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (AOx250) | ⊡ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |

| ELEVON | BDFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .020 | 25.000 |
| .000 | -12.000 | .020 | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .050 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

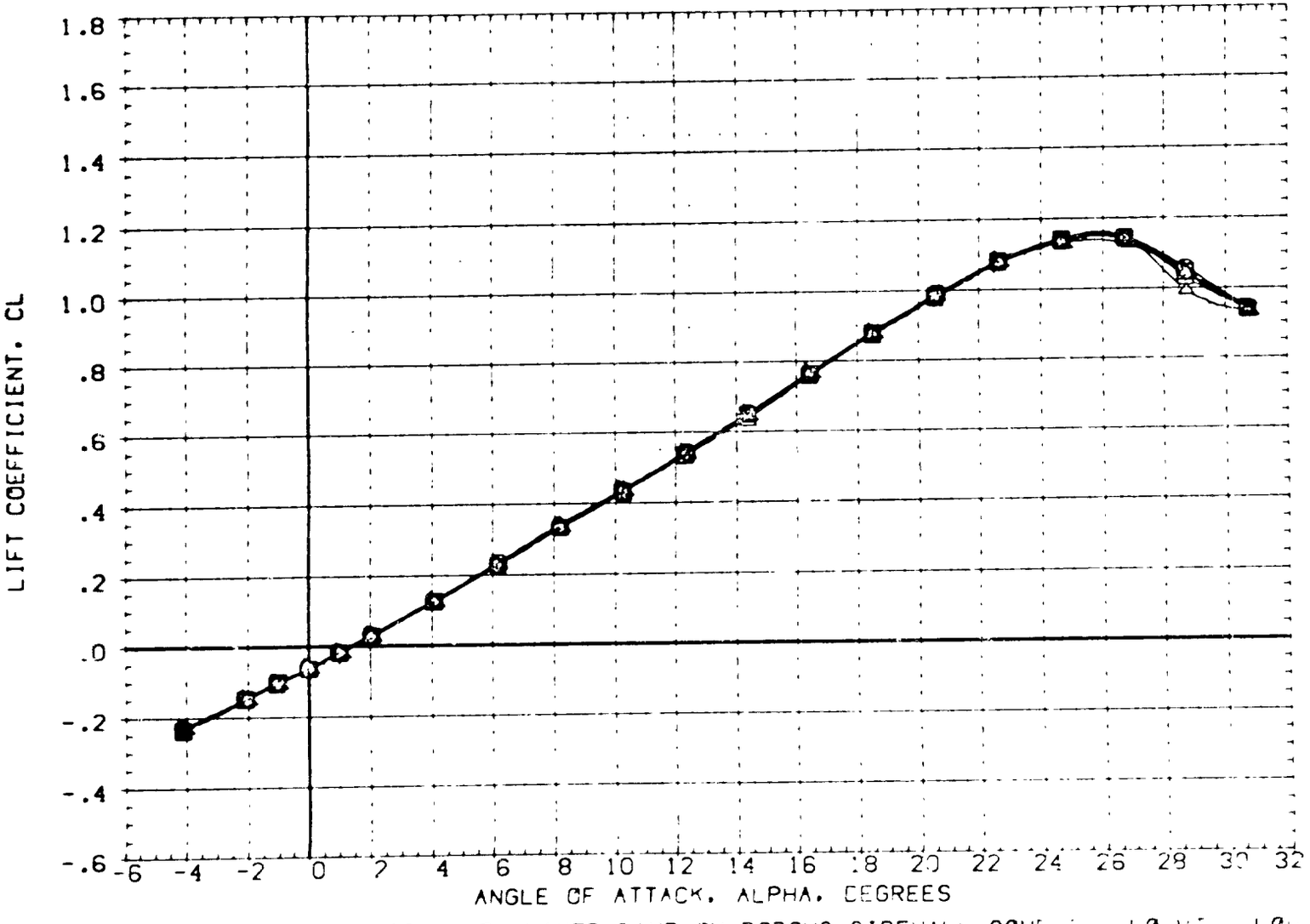



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT. LOW

(A)MACH = .20

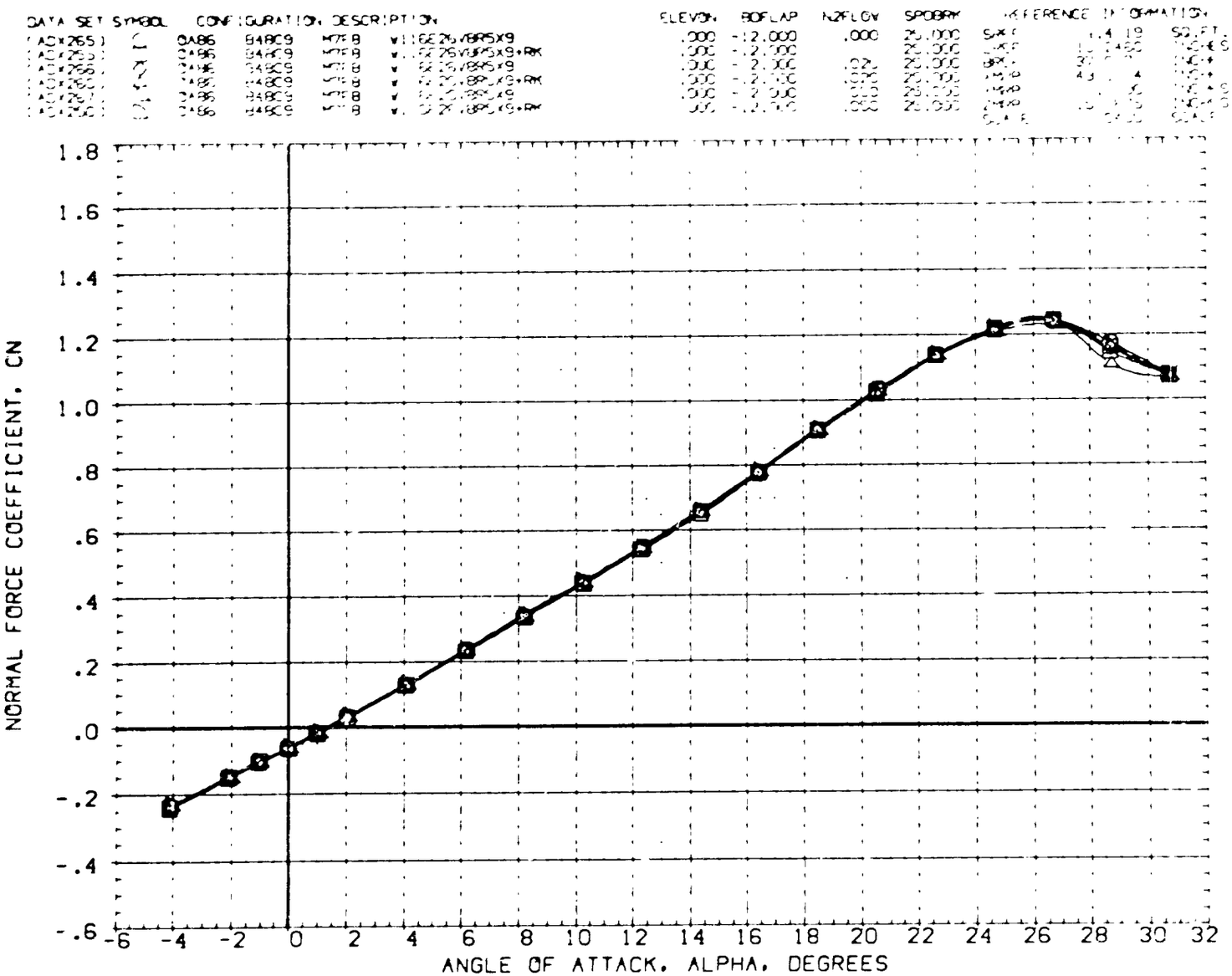



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT. FLOW

(A) MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOx265) | □ | OA86 | B48C9 | M7F8 | W116E26VBR5x9 |
| (AOx265) | ◇ | OA86 | B48C9 | M7F8 | W116E26VBR5x9+RK |
| (AOx266) | △ | OA86 | B48C9 | M7F8 | W116E26VBR5x9 |
| (AOx266) | ▽ | OA86 | B48C9 | M7F8 | W116E26VBR5x9+RK |
| (AOx267) | ○ | OA86 | B48C9 | M7F8 | W116E26VBR5x9 |
| (AOx267) | ⬡ | OA86 | B48C9 | M7F8 | W116E26VBR5x9+RK |

| ELEVON | BUFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .020 | 25.000 |
| .000 | -12.000 | .020 | 25.000 |
| .000 | -12.000 | .050 | 25.000 |
| .000 | -12.000 | .050 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.3671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

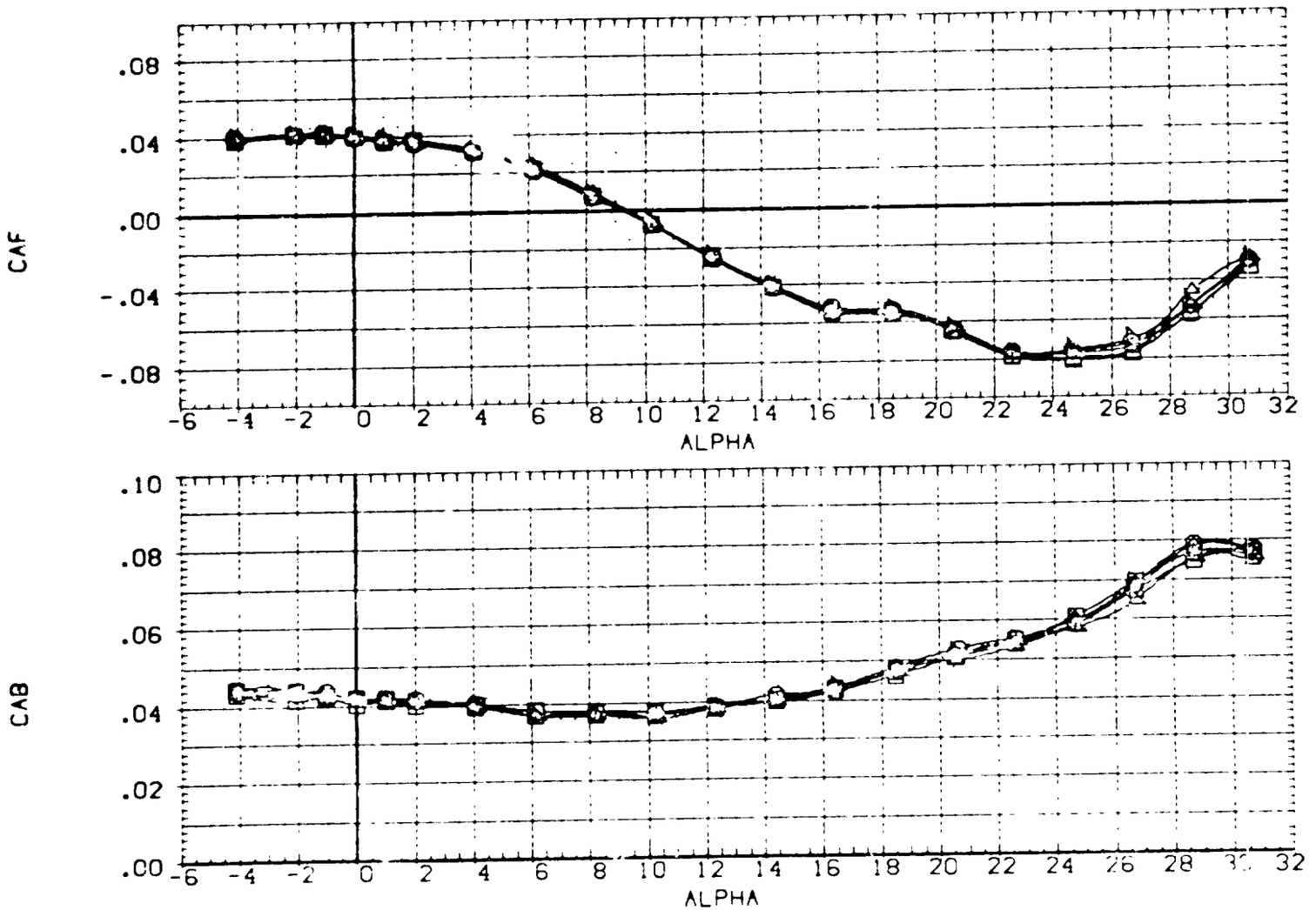



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT., LOW

(A)MACH = .20

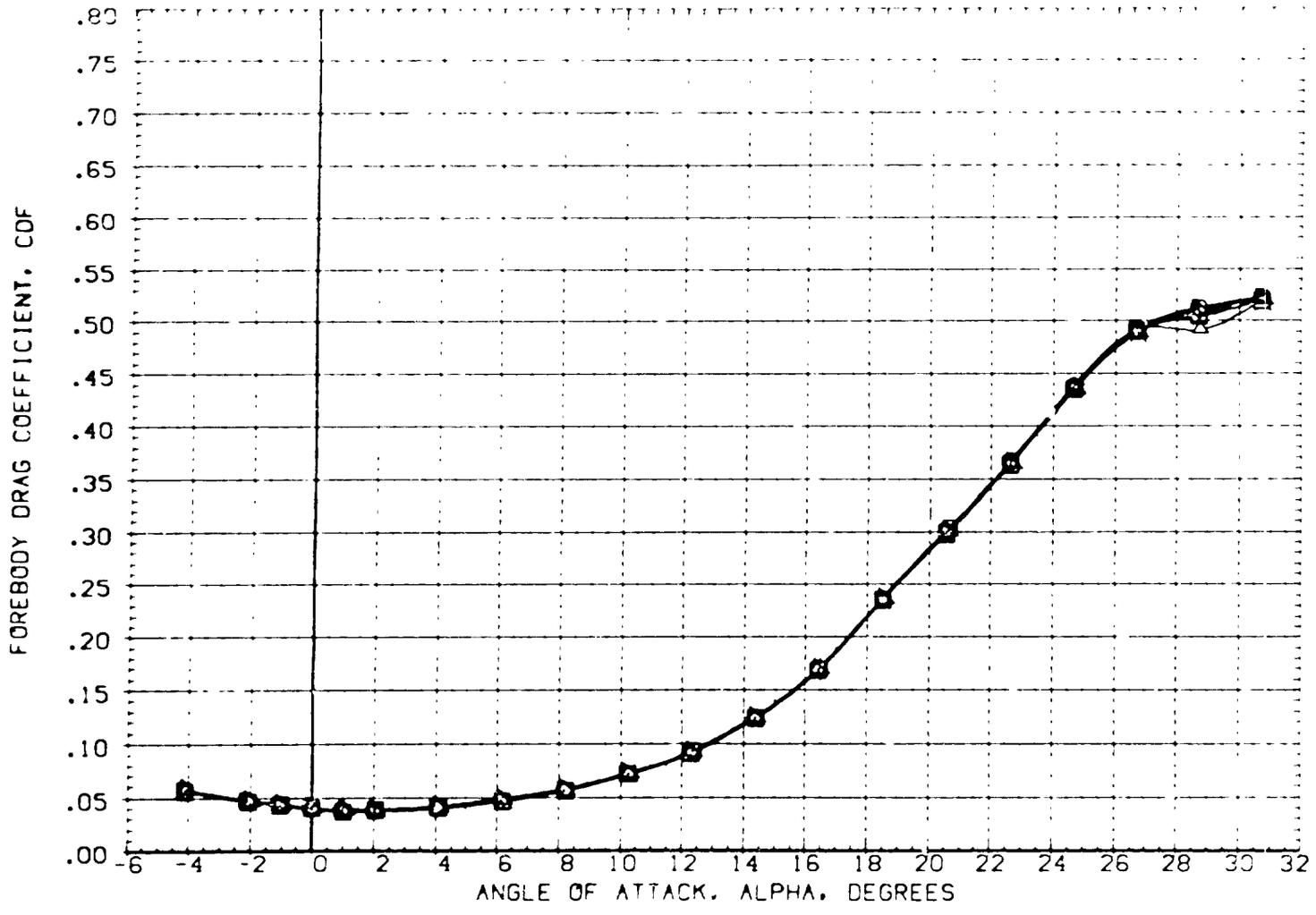



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT. FLOW

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | M2FLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (AOX265) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (AOX255) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | | 25.000 |
| (AOX266) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .020 | 25.000 |
| (AOX260) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .020 | 25.000 |
| (AOX267) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .050 | 25.000 |
| (AOX250) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .050 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

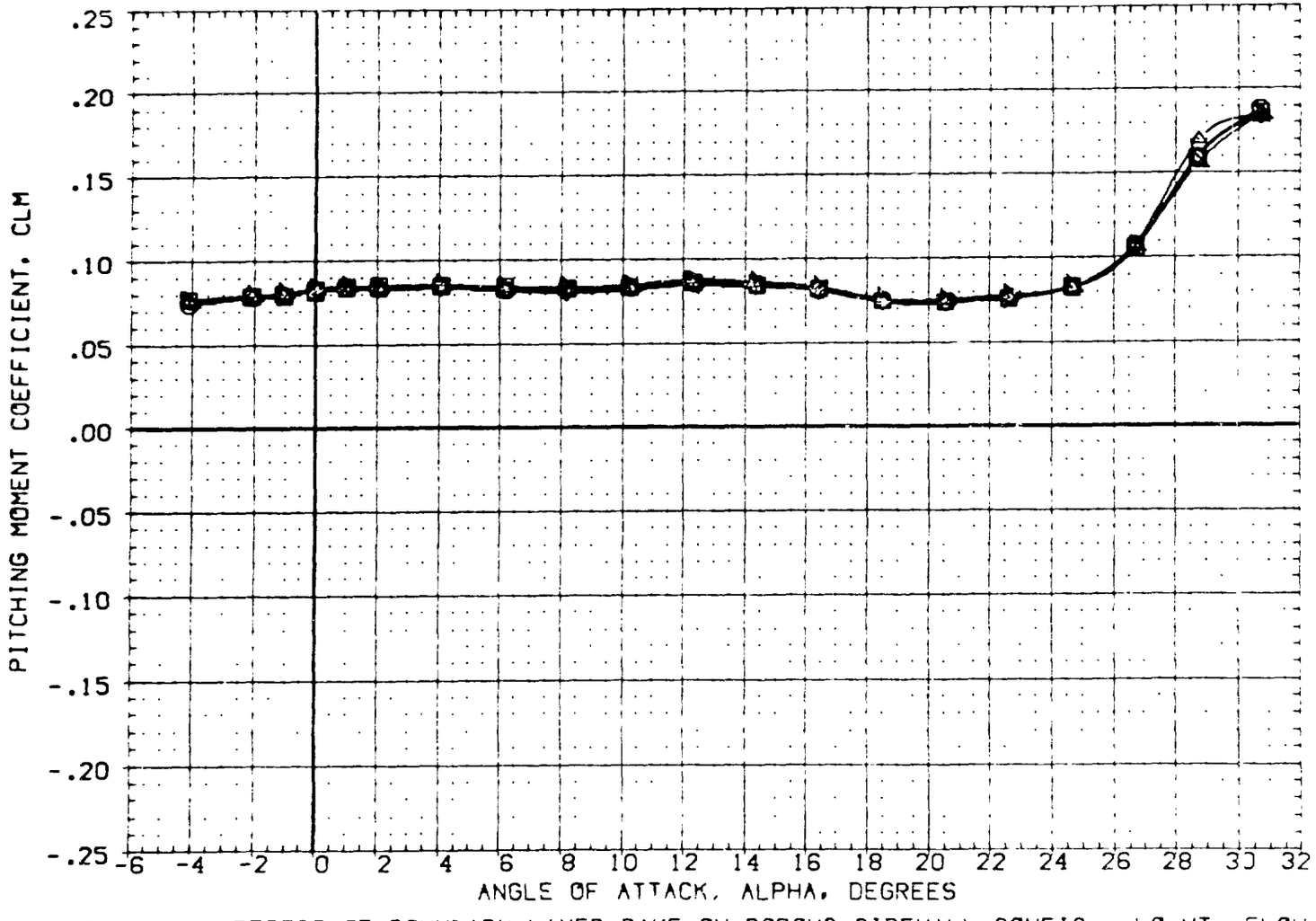



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT. FLOW

(A)MACH = .20

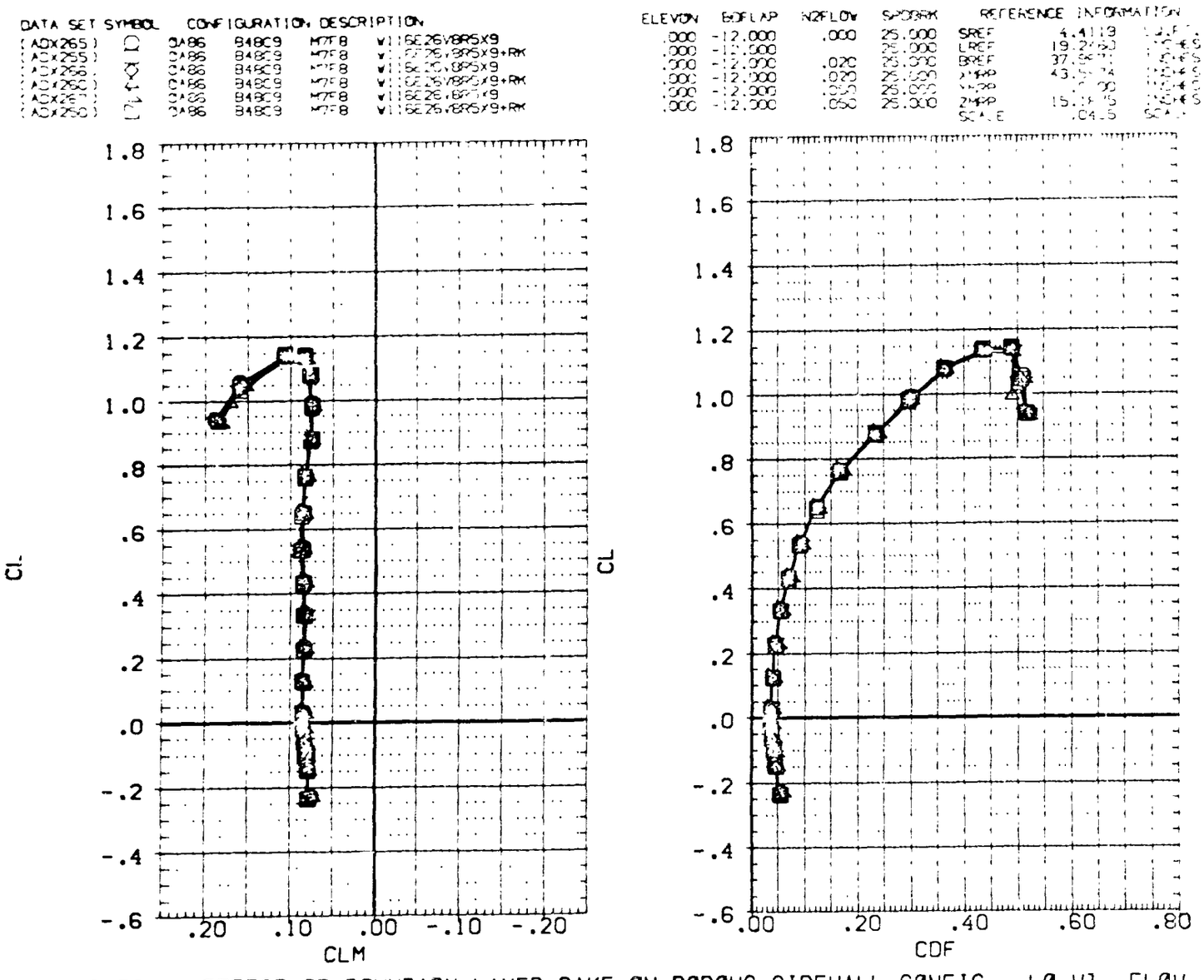



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT. FLOW

(A)MACH = .20

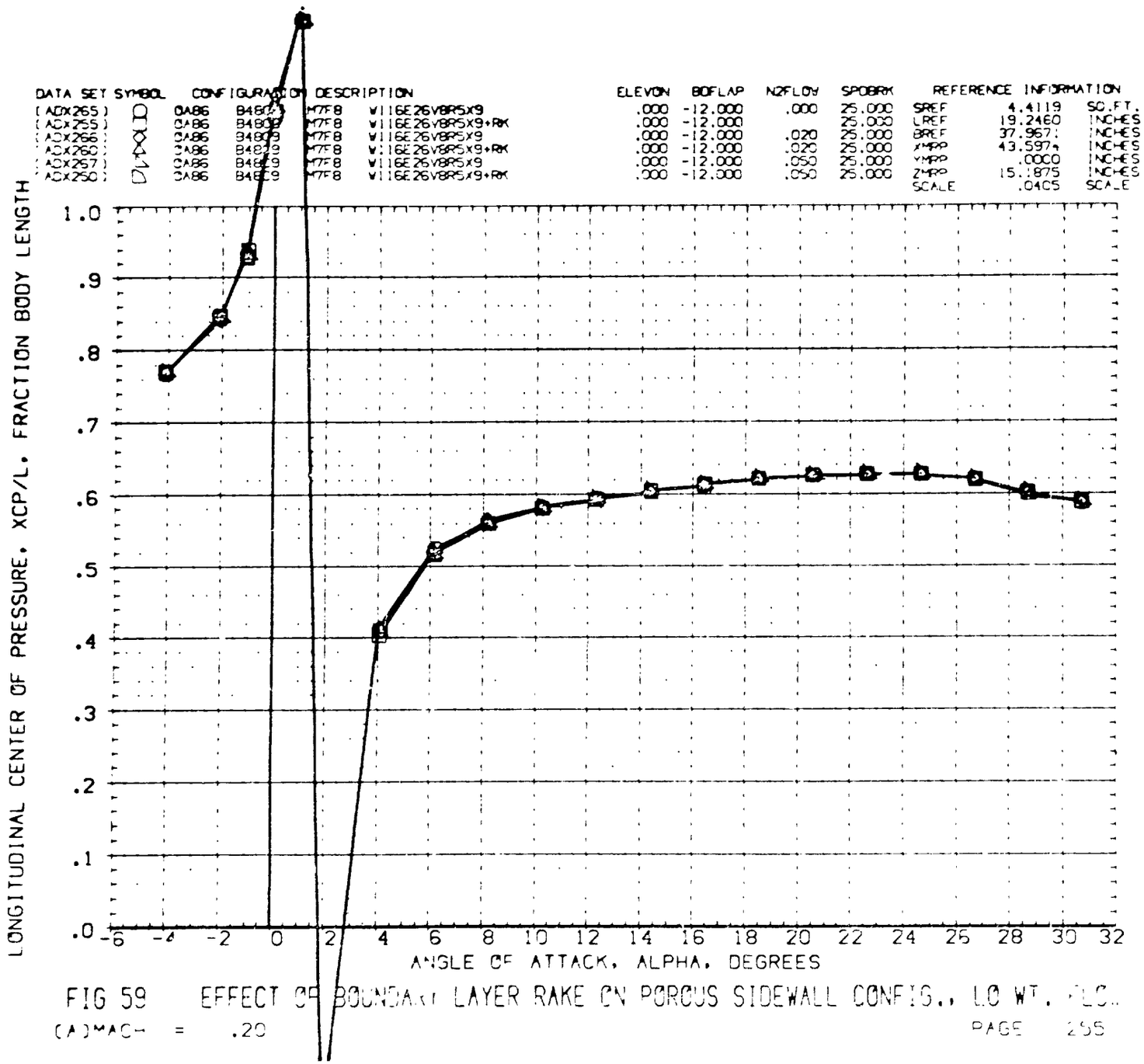



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT., FLC..

(A)MACH = .20

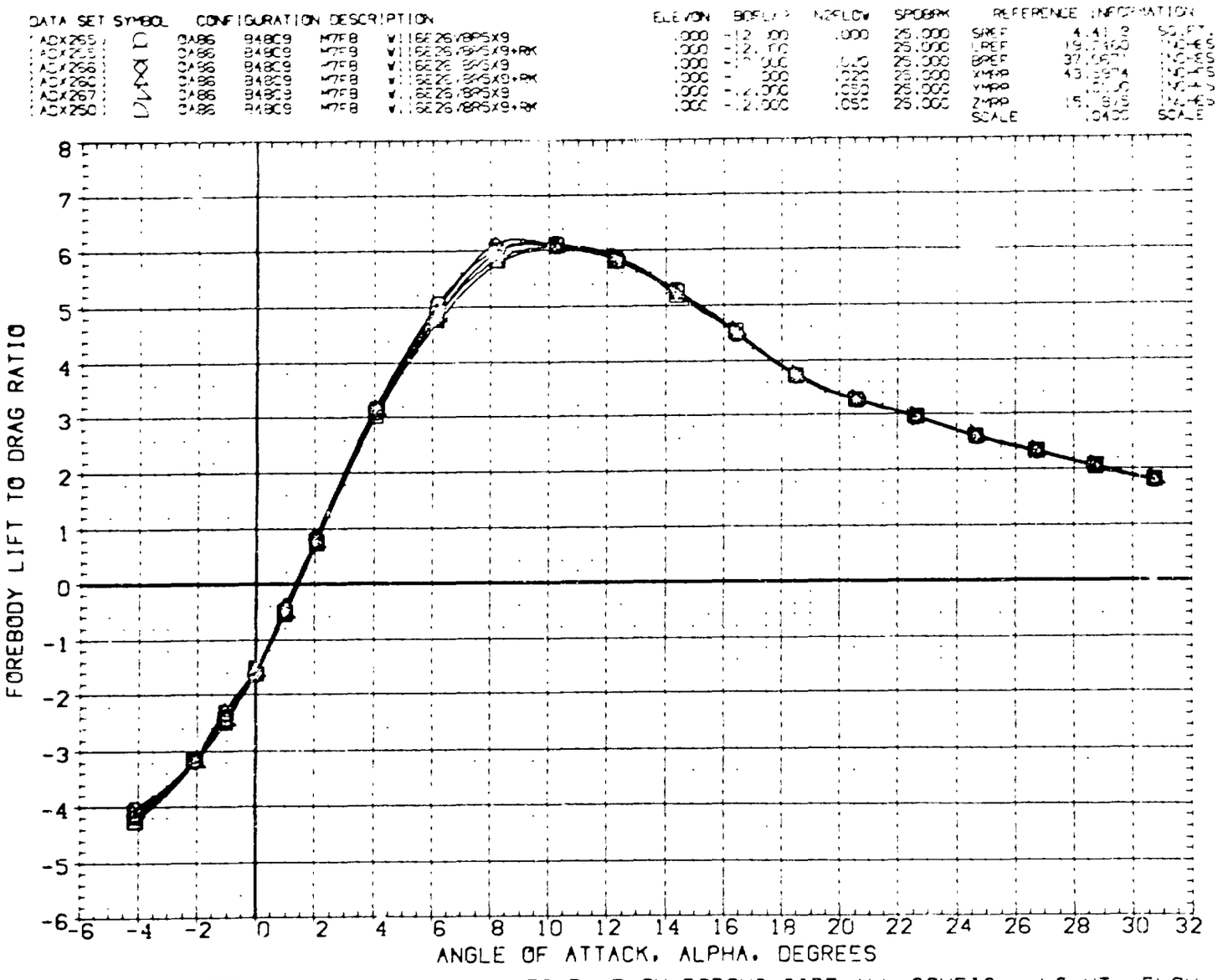



FIG 59 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., LO WT. FLOW

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX265) | □ | 0A86 | B48C9 | M7F8 | W:16E26V8P5X9 |
| (ADX255) | ◇ | 0A86 | B48C9 | M7F8 | W:16E26V8P5X9+RK |
| (ADX268) | ⊠ | 0A86 | B48C9 | M7F8 | W:16E26V8P5X9 |
| (ADX245) | △ | 0A86 | B48C9 | M7F8 | W:16E26V8P5X9+RK |
| (ADX269) | | 0A86 | B48C9 | M7F8 | W:16E26V8P5X9 |
| (ADX240) | | 0A86 | B48C9 | M7F8 | W:16E26V8P5X9+RK |

| ELEVON | BOFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 26.000 |
| .000 | -12.000 | | 26.000 |
| .000 | -12.000 | .100 | 26.000 |
| .000 | -12.000 | .100 | 26.000 |
| .000 | -12.000 | .200 | 26.000 |
| .000 | -12.000 | .200 | 26.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| [illegible] | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

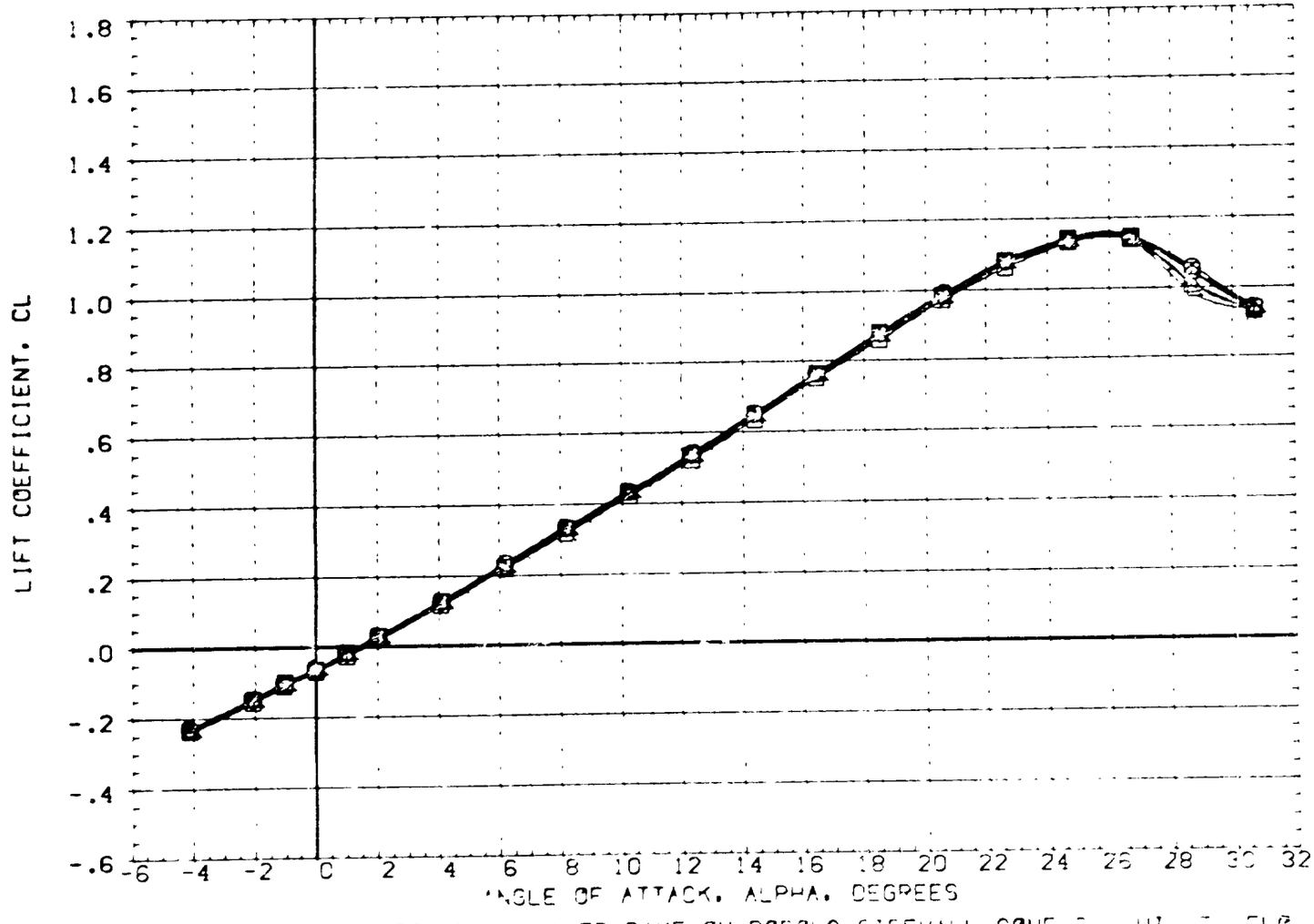



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., [illegible]

(A)MACH = .20

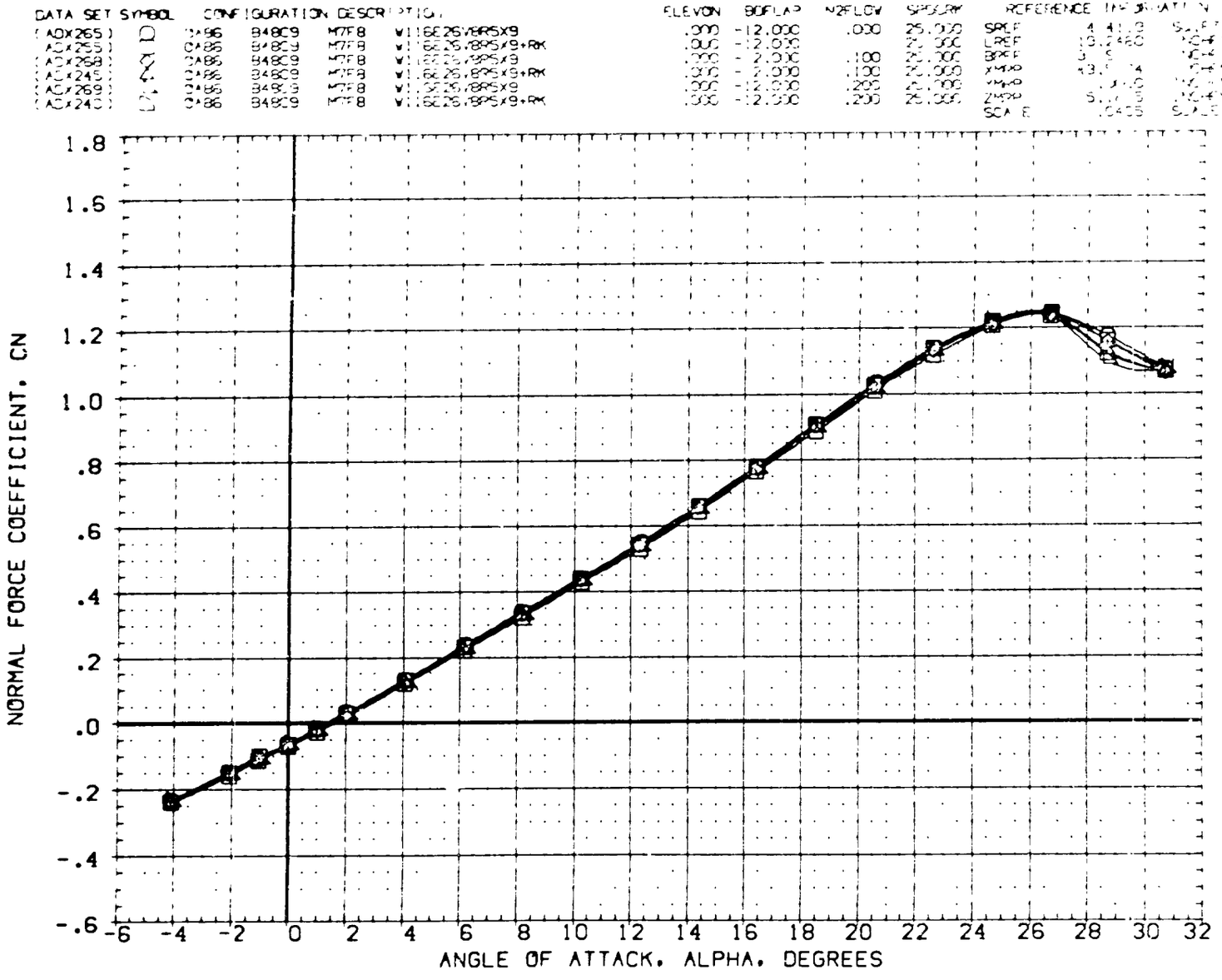



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLOW

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX265) | □ | CAB6 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX255) | ◇ | CAB6 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX268) | △ | CAB6 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX245) | ▽ | CAB6 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX269) | ○ | CAB6 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX240) | ⊲ | CAB6 | B48C9 | M7F8 | W116E26V8R5X9+RK |

| ELEVON | BOFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .100 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |
| .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2450 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0100 | SCALE |

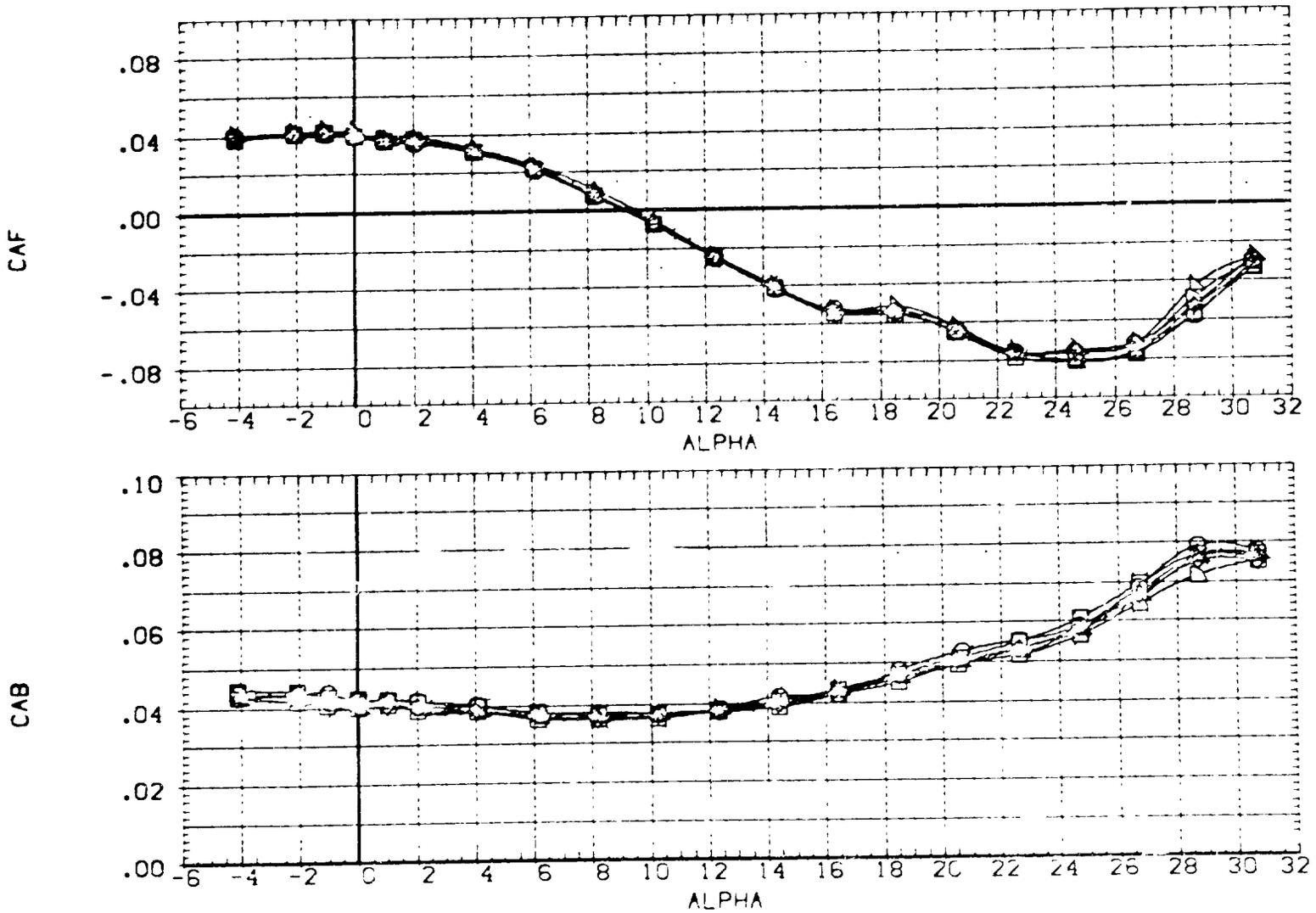



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLOW

(A)MAC- = .20

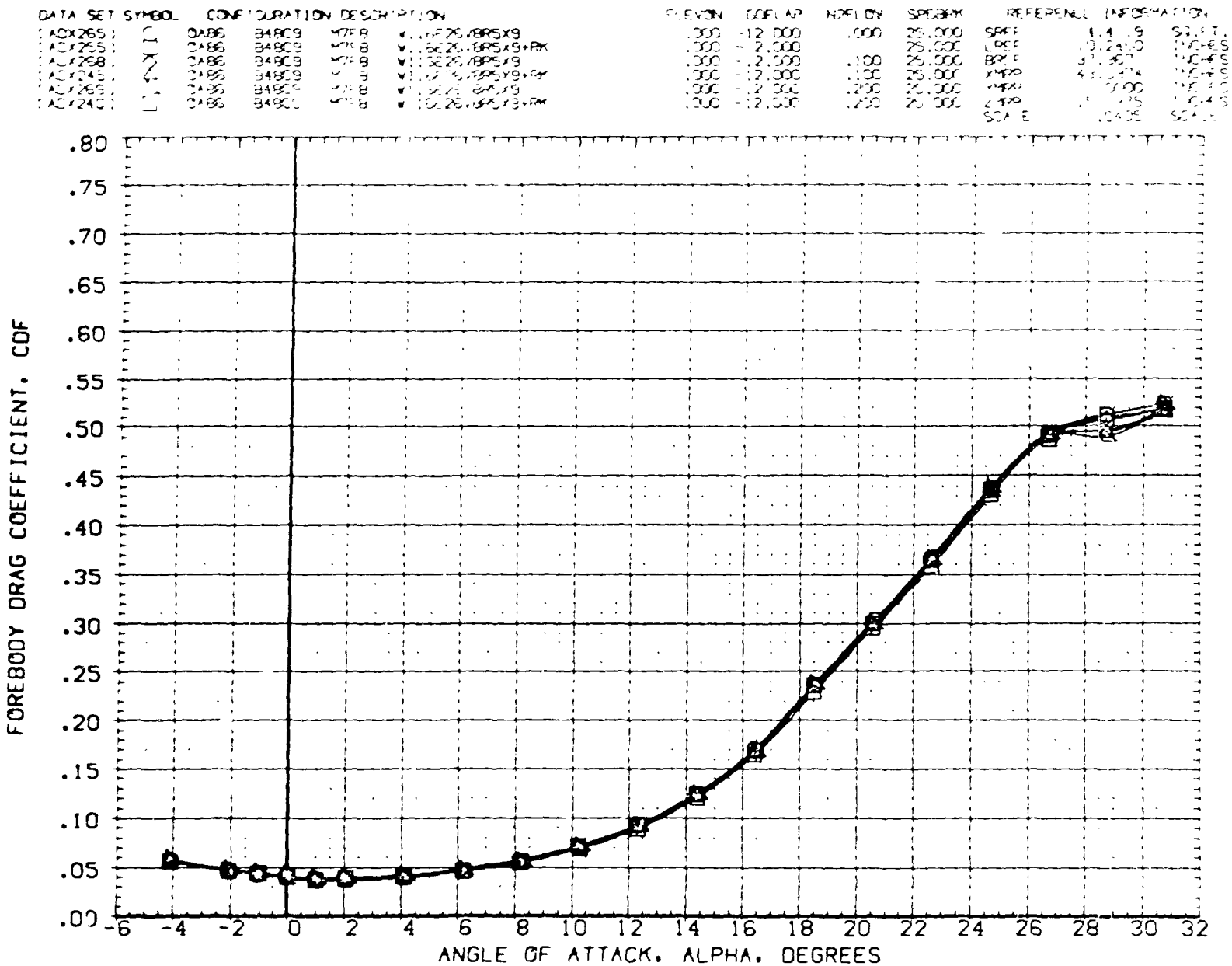



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLOW

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | N2FLOW | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (AD*265) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (AD*255) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | | 25.000 |
| (AD*268) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .100 | 25.000 |
| (AD*245) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .100 | 25.000 |
| (AD*269) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | .000 | -12.000 | .200 | 25.000 |
| (AD*240) | | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | .000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.3119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

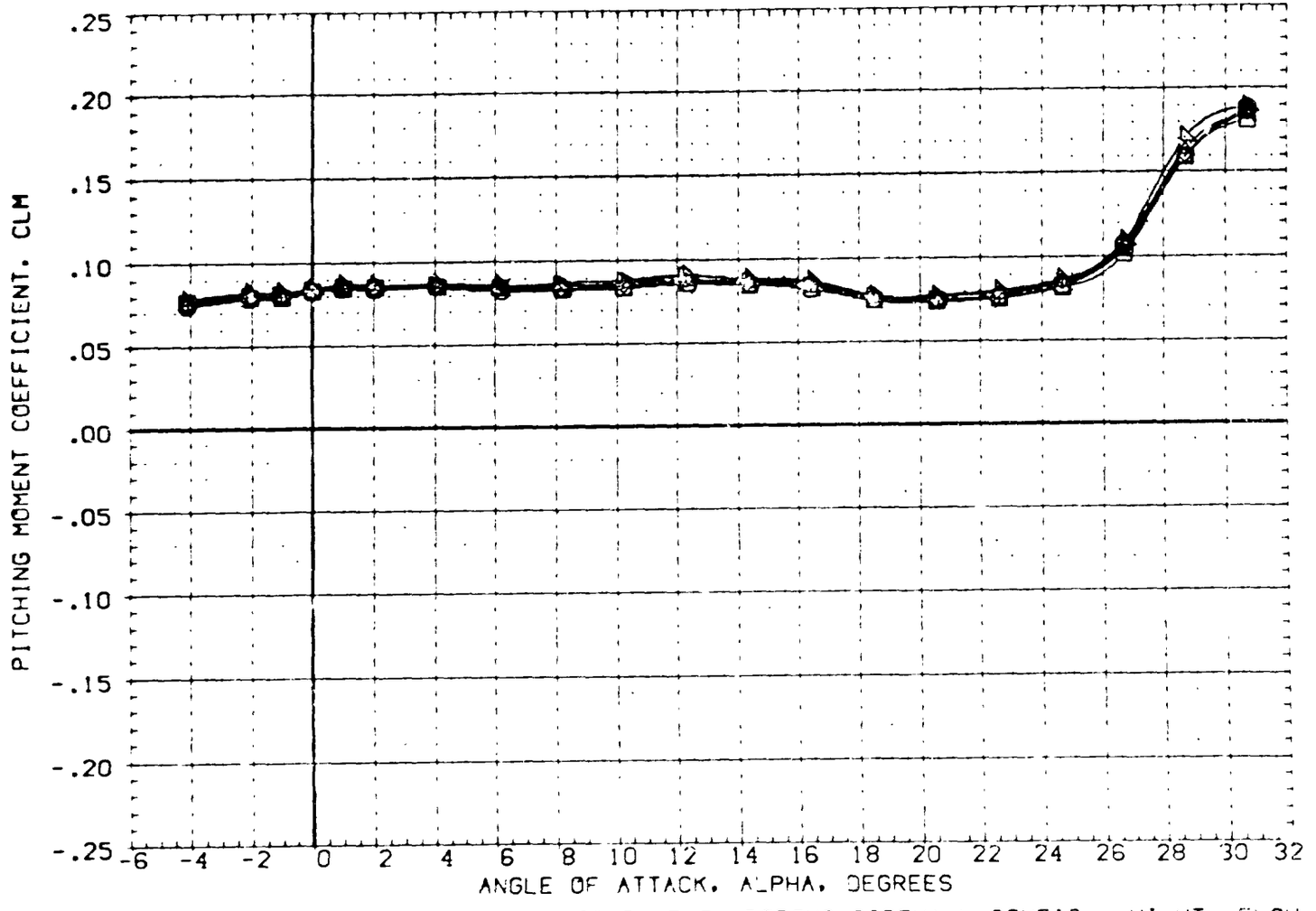



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLOW

(A)MACH = .20

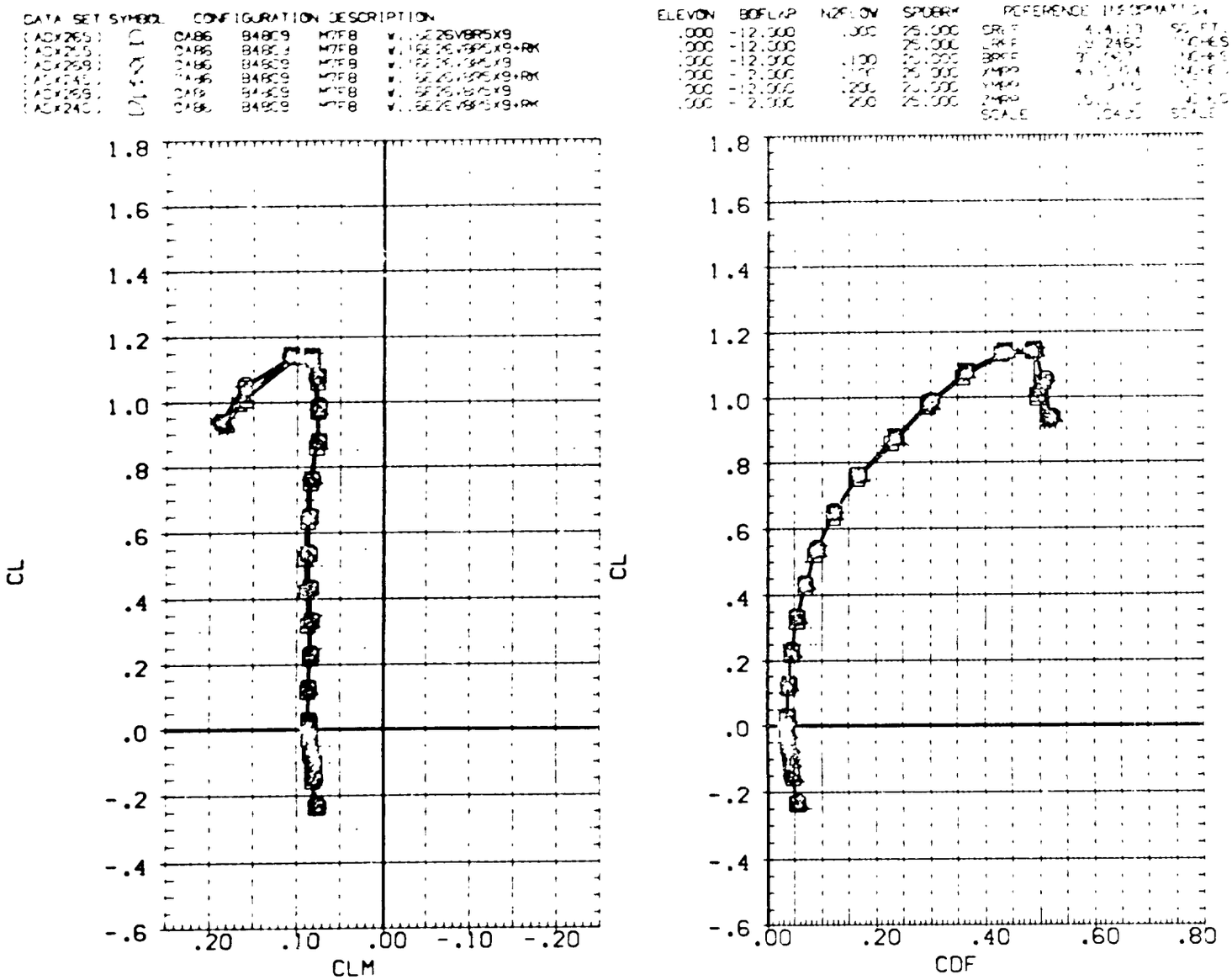



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLOW

(A)MACH = .20

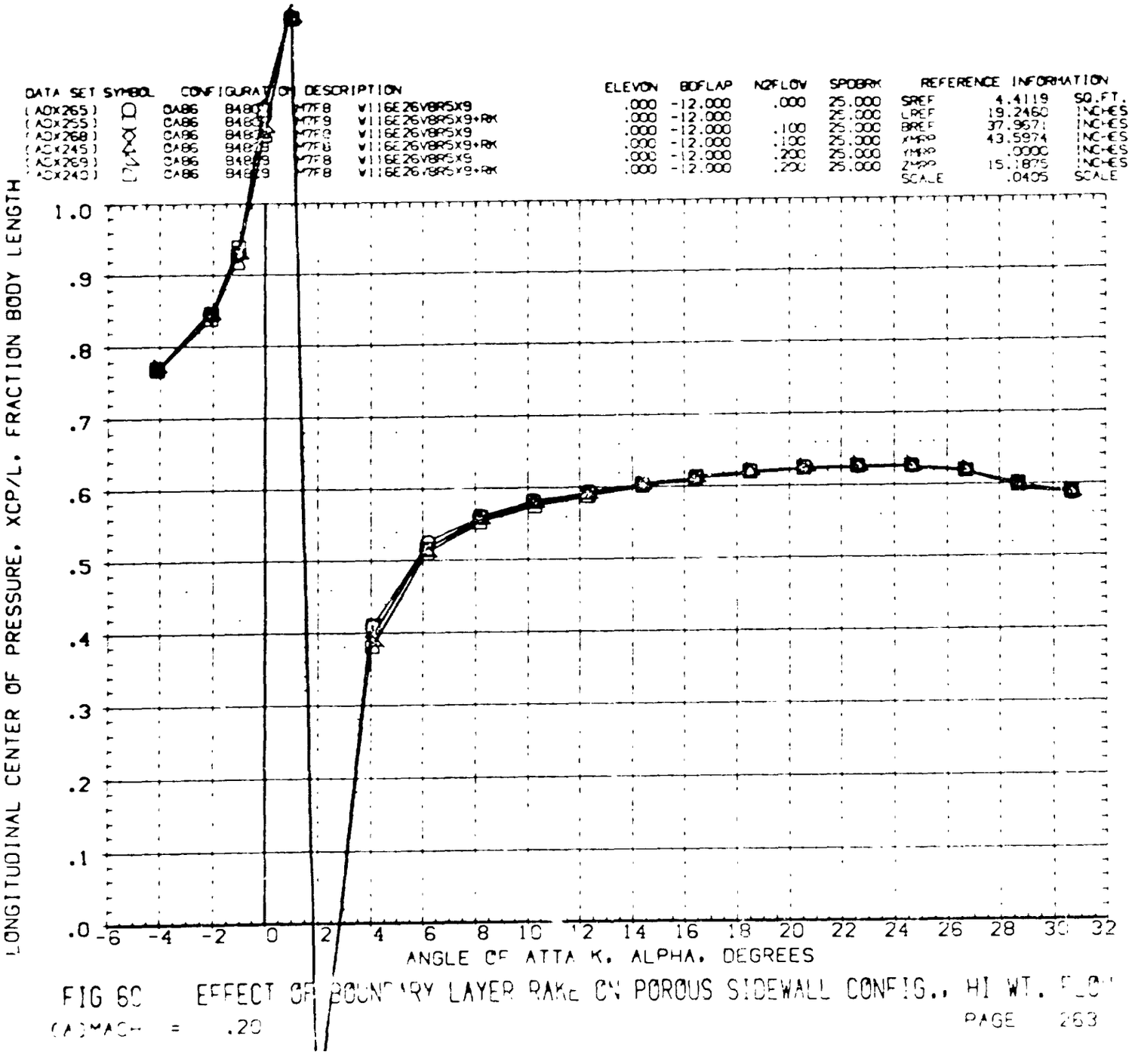



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLO

(A)MACH = .20

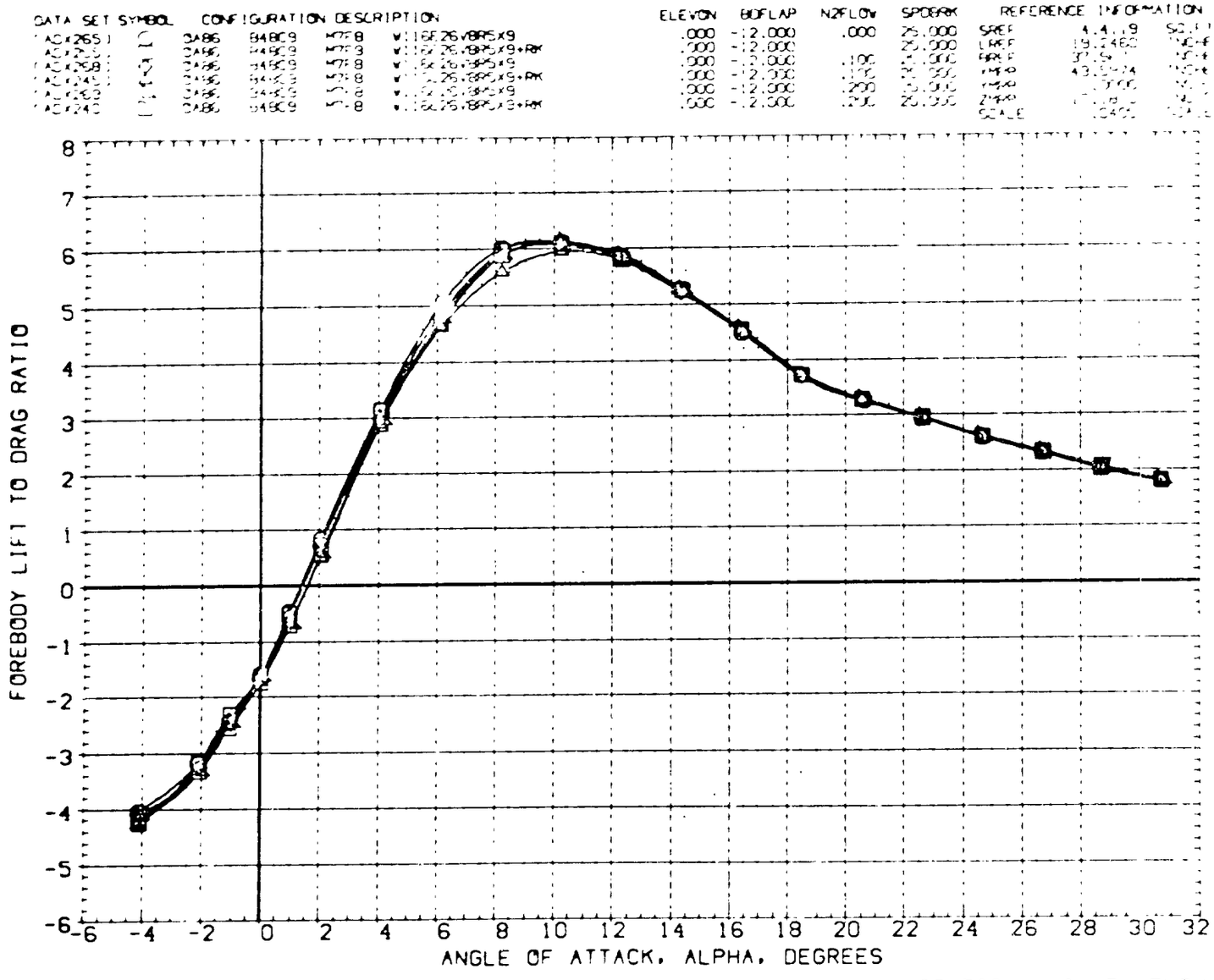



FIG 60 EFFECT OF BOUNDARY LAYER RAKE ON POROUS SIDEWALL CONFIG., HI WT. FLOW

(A)MACH = .20

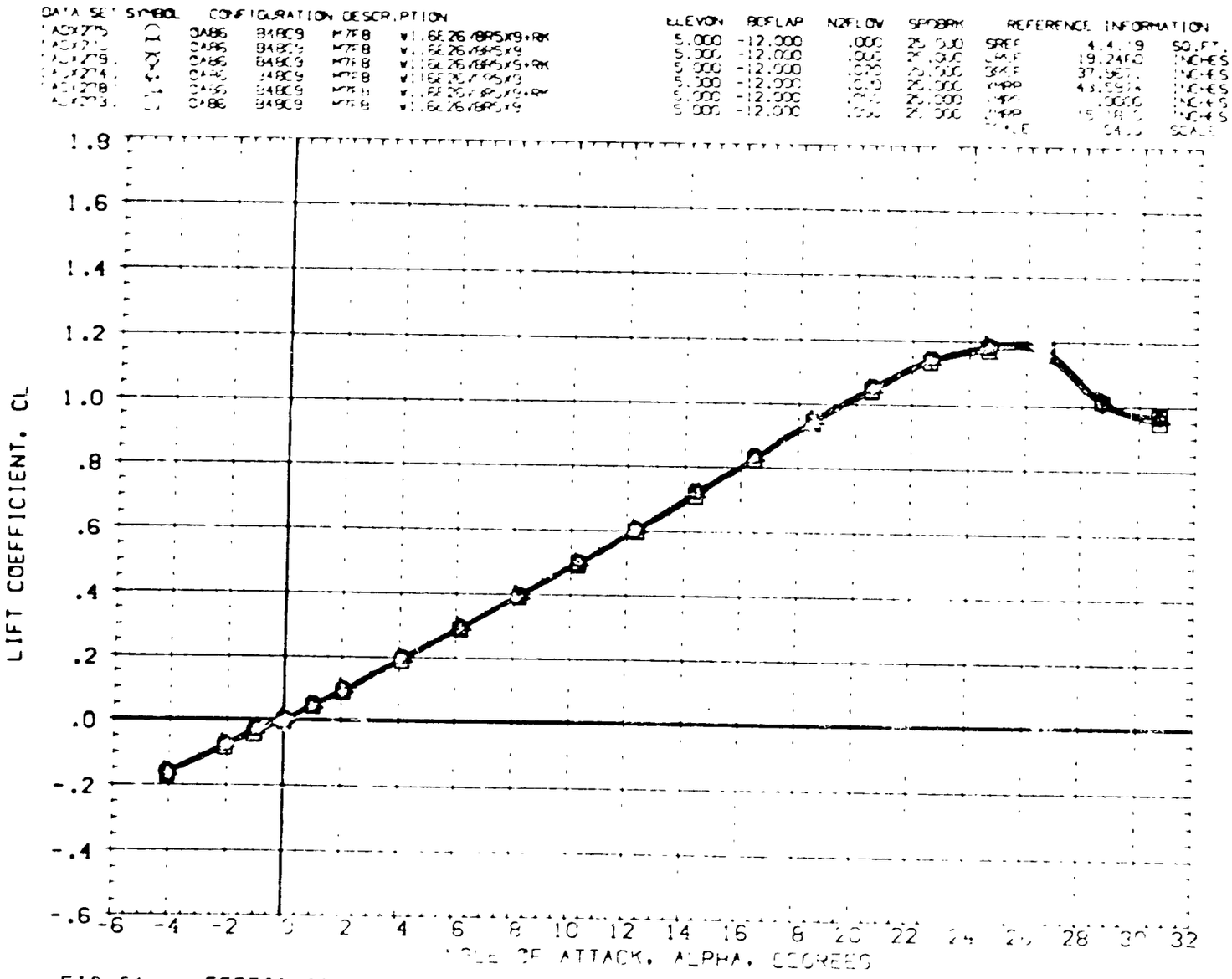



FIG 61 EFFECT OF [illegible] ON POROUS SIDEWALL CONFIG. 5 DES ELEVON [illegible]

(A)MACH = .20

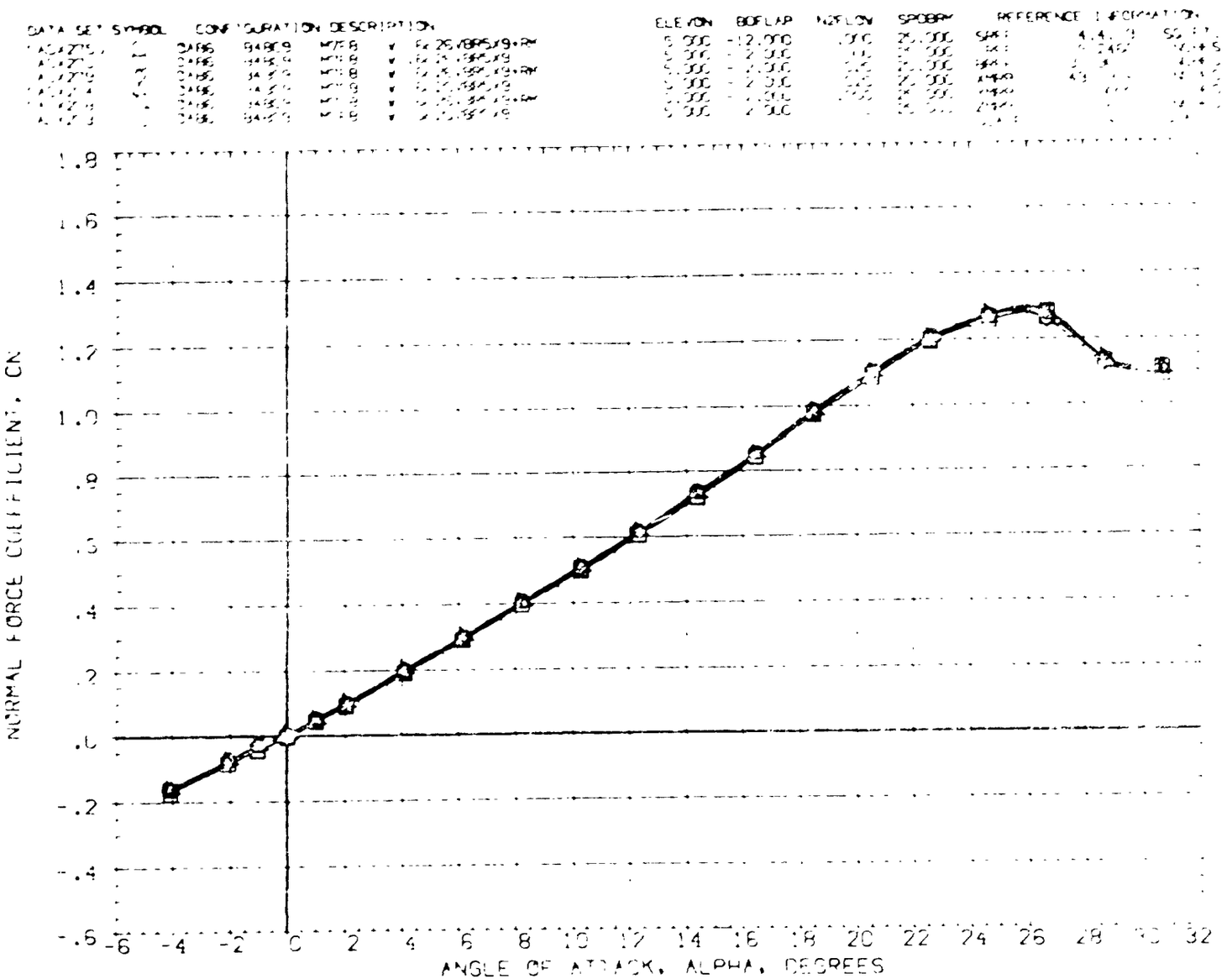



FIG 61 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON [illegible]

(A) MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | N2FLOW | SPOBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (ADx275) | □ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | -12.000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| (ADx270) | ◇ | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 | LREF | 19.2462 | INCHES |
| (ADx279) | △ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | -12.000 | .020 | 25.000 | BREF | 37.9671 | INCHES |
| (ADx274) | ▽ | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .020 | 25.000 | XMRP | 43.5974 | INCHES |
| (ADx278) | ◁ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | -12.000 | .050 | 25.000 | YMRP | .0000 | INCHES |
| (ADx273) | ▷ | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .050 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0405 | SCALE |

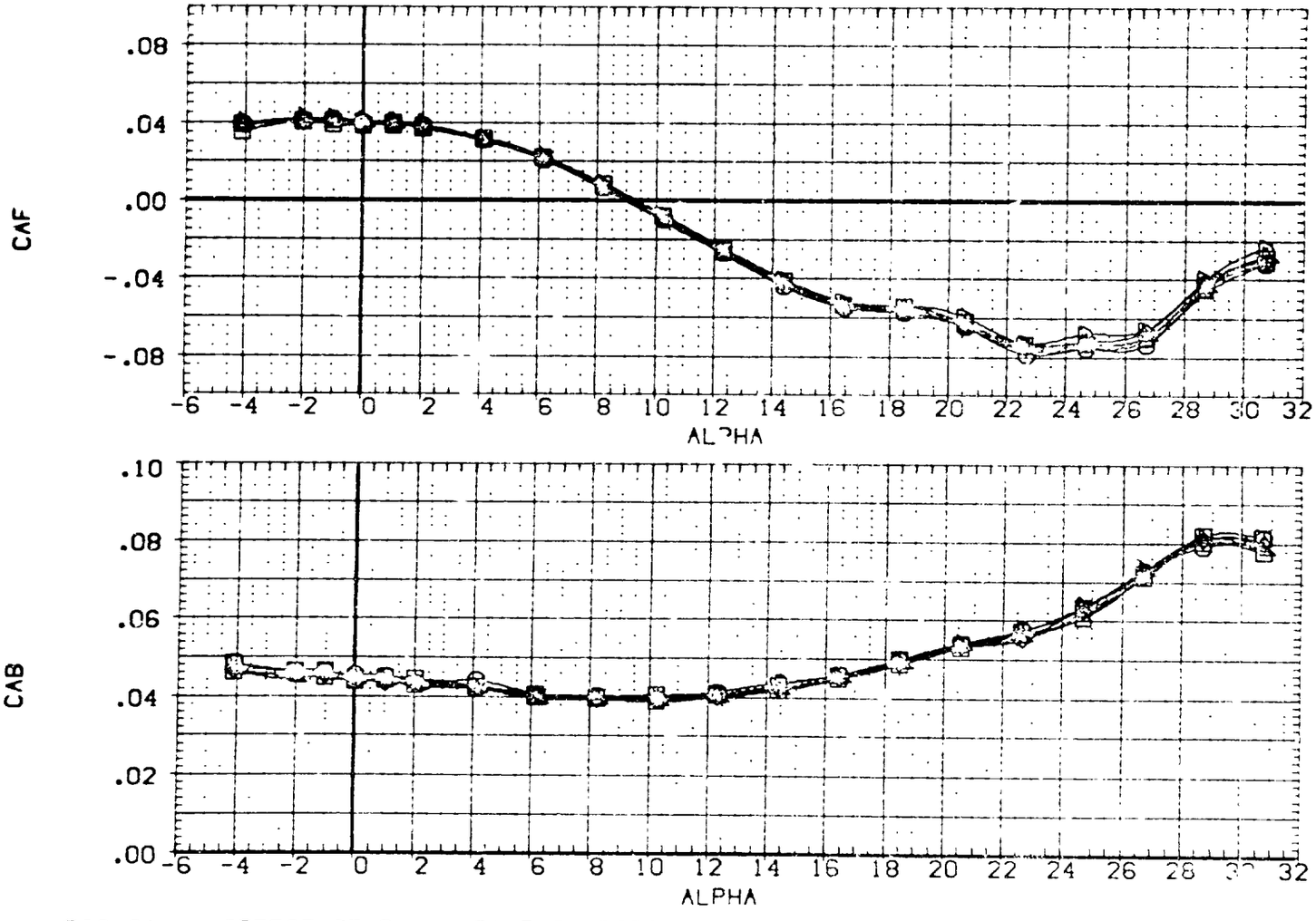



FIG 61 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON LO - FLO

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX275) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX270) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX279) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX274) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX278) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX273) | | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .020 | 25.000 |
| 5.000 | -12.000 | .020 | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

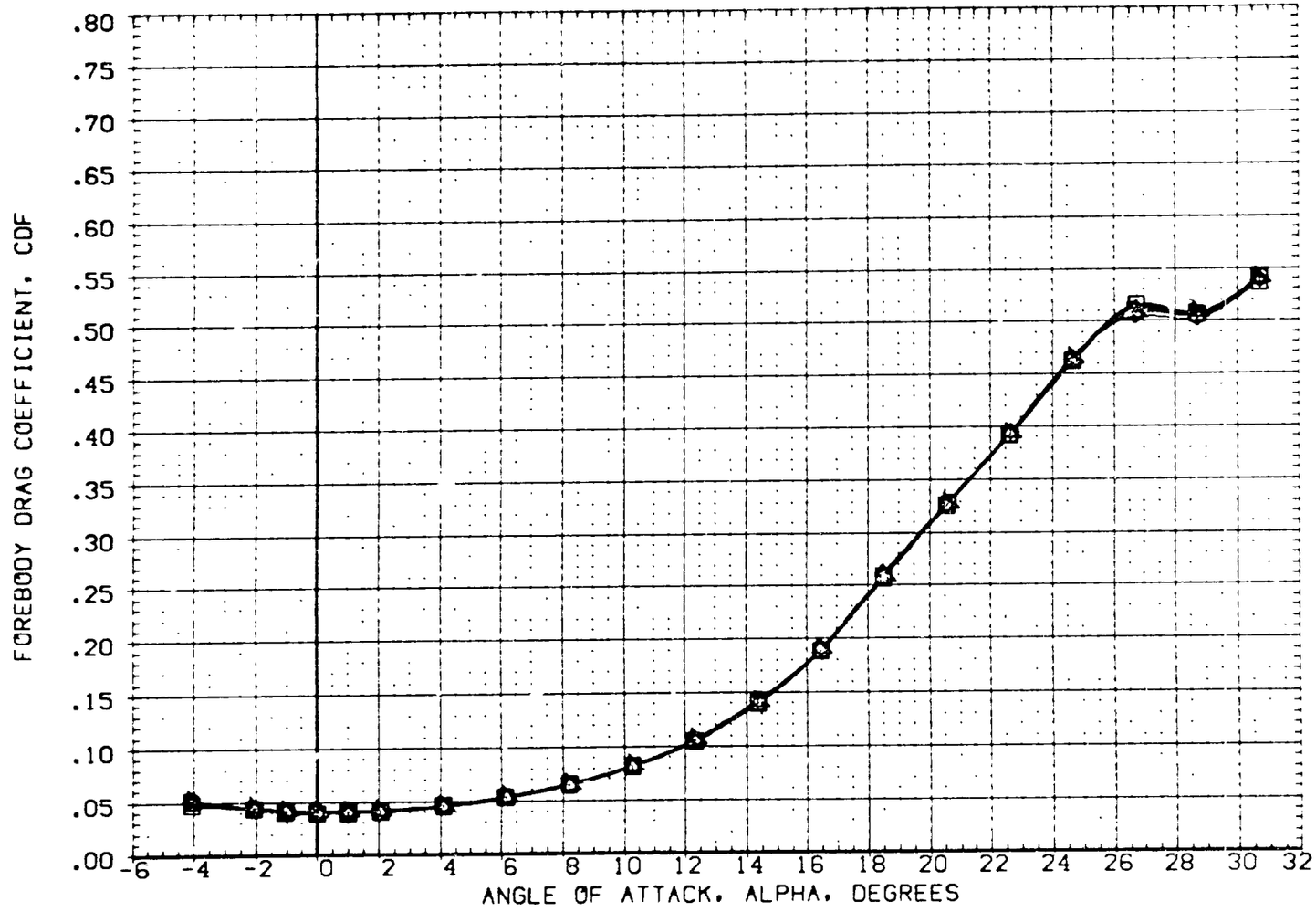



FIG 61 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON LO WT FLO

(A)MACH = .20

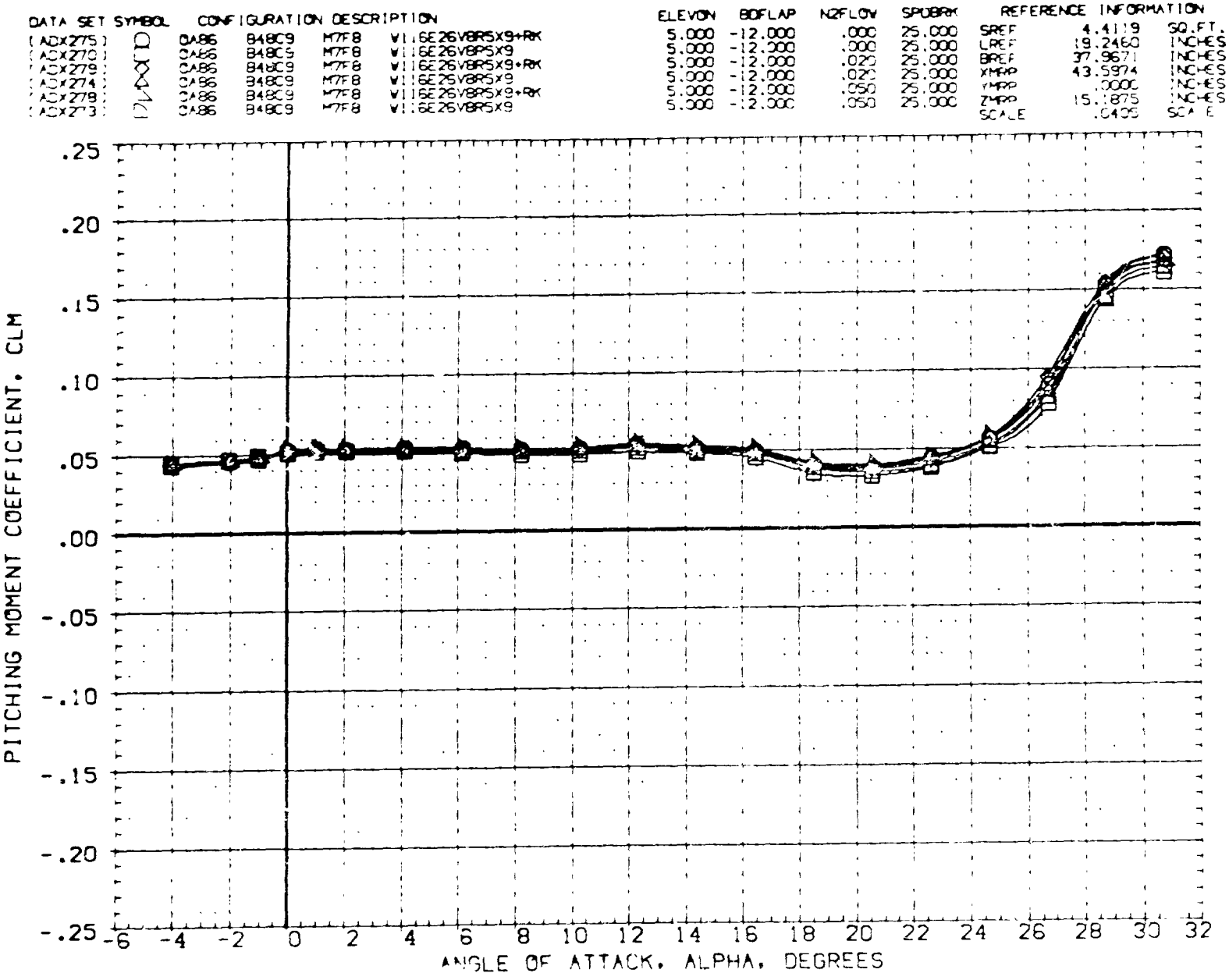



FIG 61 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON LO [illegible] FLC

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX275) | □ | GA86 | B48C5 | M7F8 | W116E26V8R5X9+RK |
| (ADX270) | ◇ | GA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX279) | △ | GA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX274) | ▽ | GA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX278) | ◁ | GA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX273) | ▷ | GA86 | B48C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | NZFLOW | SPOBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| 5.000 | -12.000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| 5.000 | -12.000 | .020 | 25.000 | BREF | 37.9671 | INCHES |
| 5.000 | -12.000 | .020 | 25.000 | XMRP | 43.5974 | INCHES |
| 5.000 | -12.000 | .050 | 25.000 | YMRP | .0000 | INCHES |
| 5.000 | -12.000 | .050 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | SCALE | .0405 | SCALE |

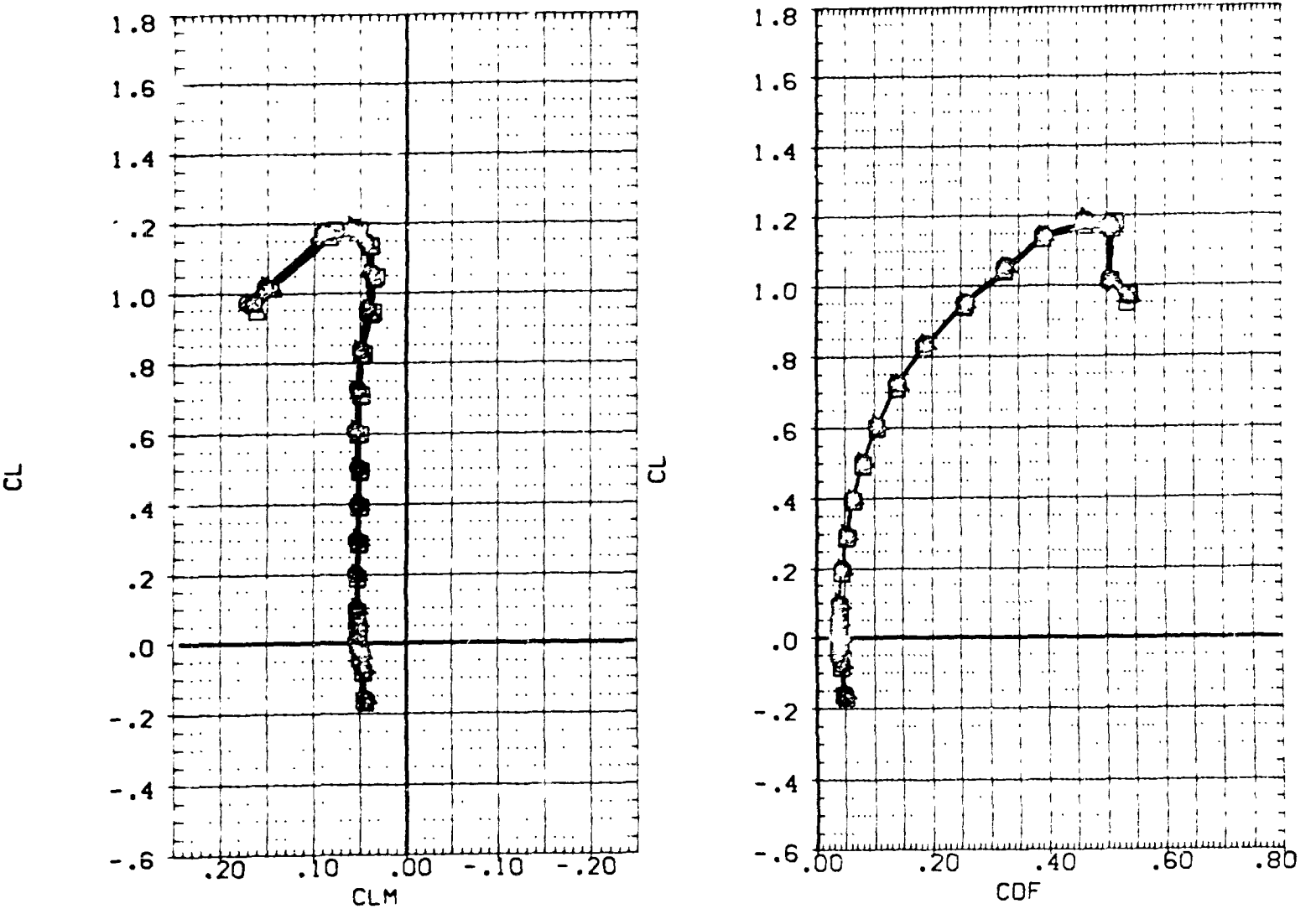



FIG 61 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON L0 WT FL0

(A)MACH = .20

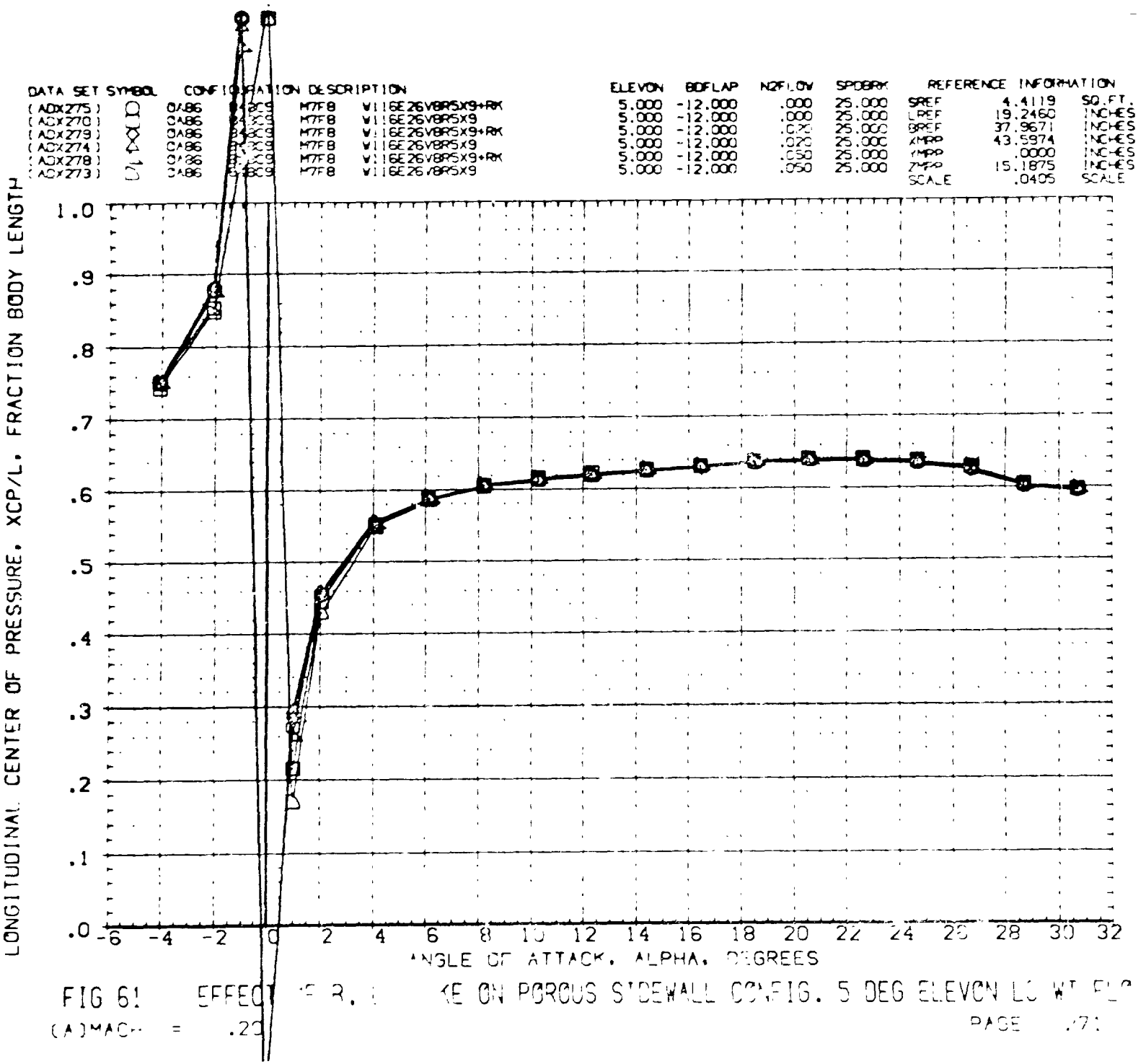



FIG 61 EFFECT OF R. E ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON LO WT FL

(A)MACH = .2

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX275) | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | |
| (ADX270) | 0A86 | B48C9 | M7F8 | W116E26V8R5X9 | |
| (ADX279) | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | |
| (ADX274) | 0A86 | B48C9 | M7F8 | W116E26V8R5X9 | |
| (ADX278) | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK | |
| (ADX273) | 0A86 | B48C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BOFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .020 | 25.000 |
| 5.000 | -12.000 | .020 | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |
| 5.000 | -12.000 | .050 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

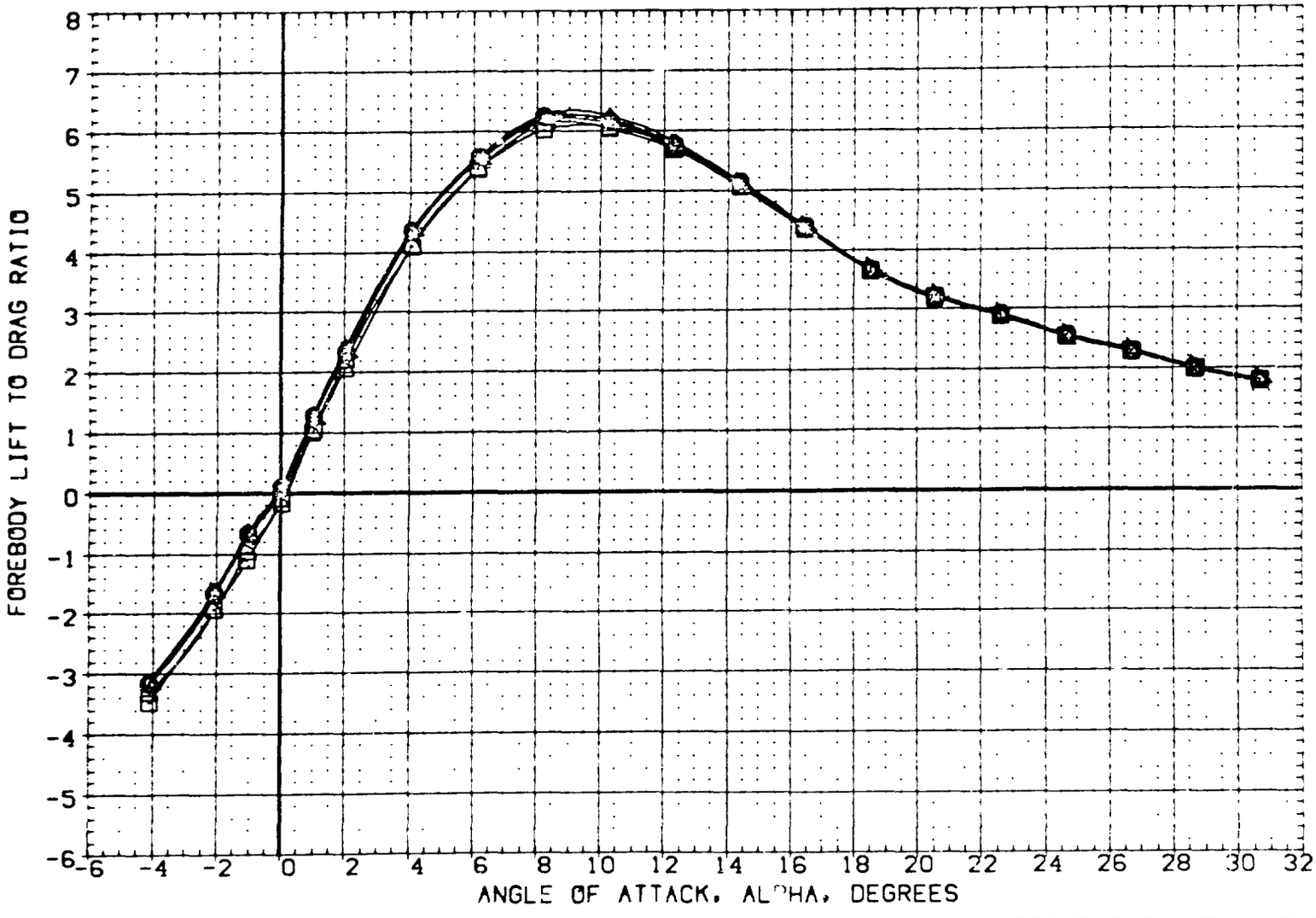



FIG 61 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON LO WT FLO

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (A0x275) | ○ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (A0x270) | □ | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (A0x277) | ◇ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (A0x272) | △ | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (A0x276) | ▽ | CA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (A0x271) | ⬠ | CA86 | B48C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

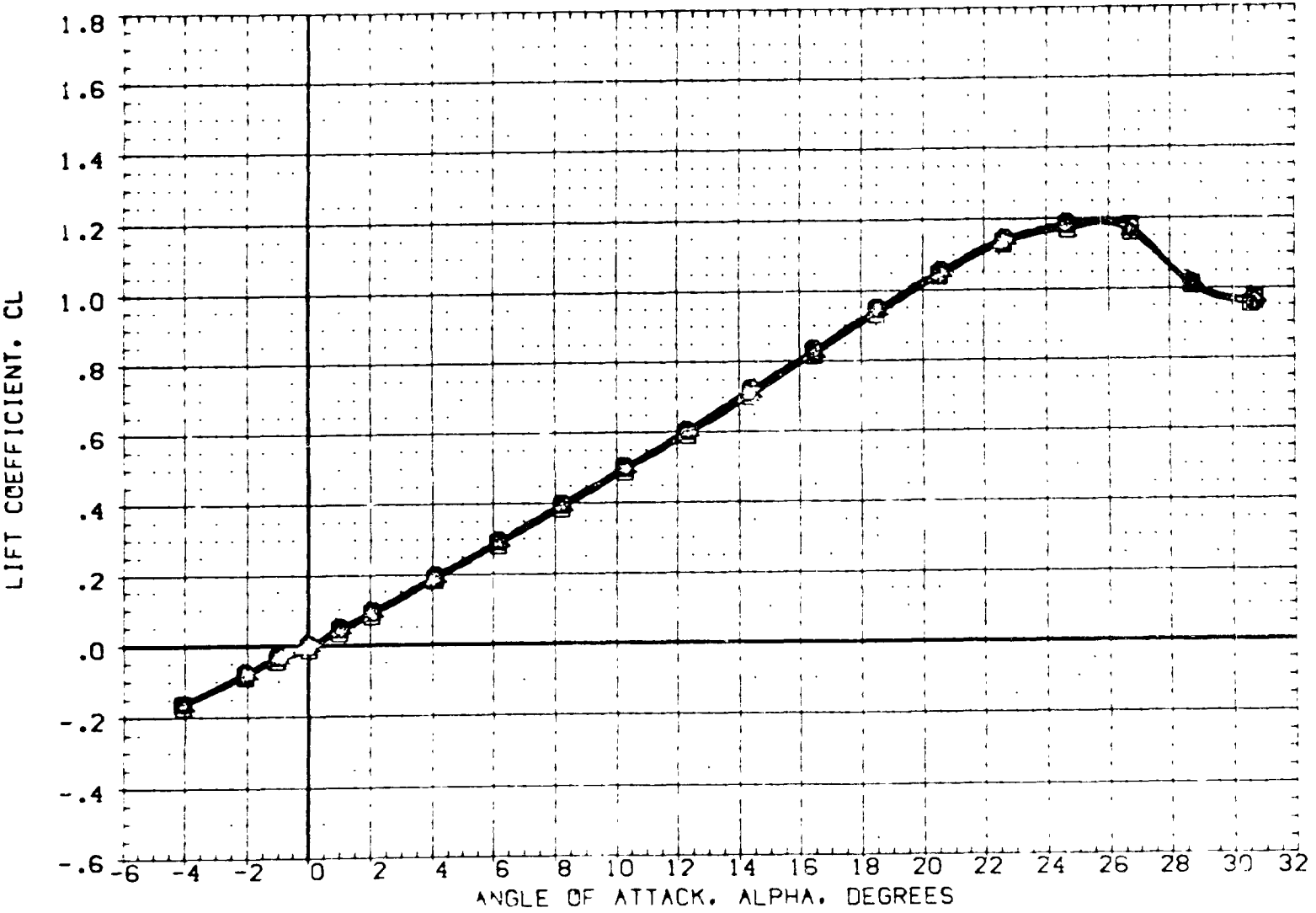



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI WT FLO

(A)MACH = .20

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX275) | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | |
| (ADX270) | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | |
| (ADX277) | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | |
| (ADX272) | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | |
| (ADX276) | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | |
| (ADX271) | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BOFLAP | N2FLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

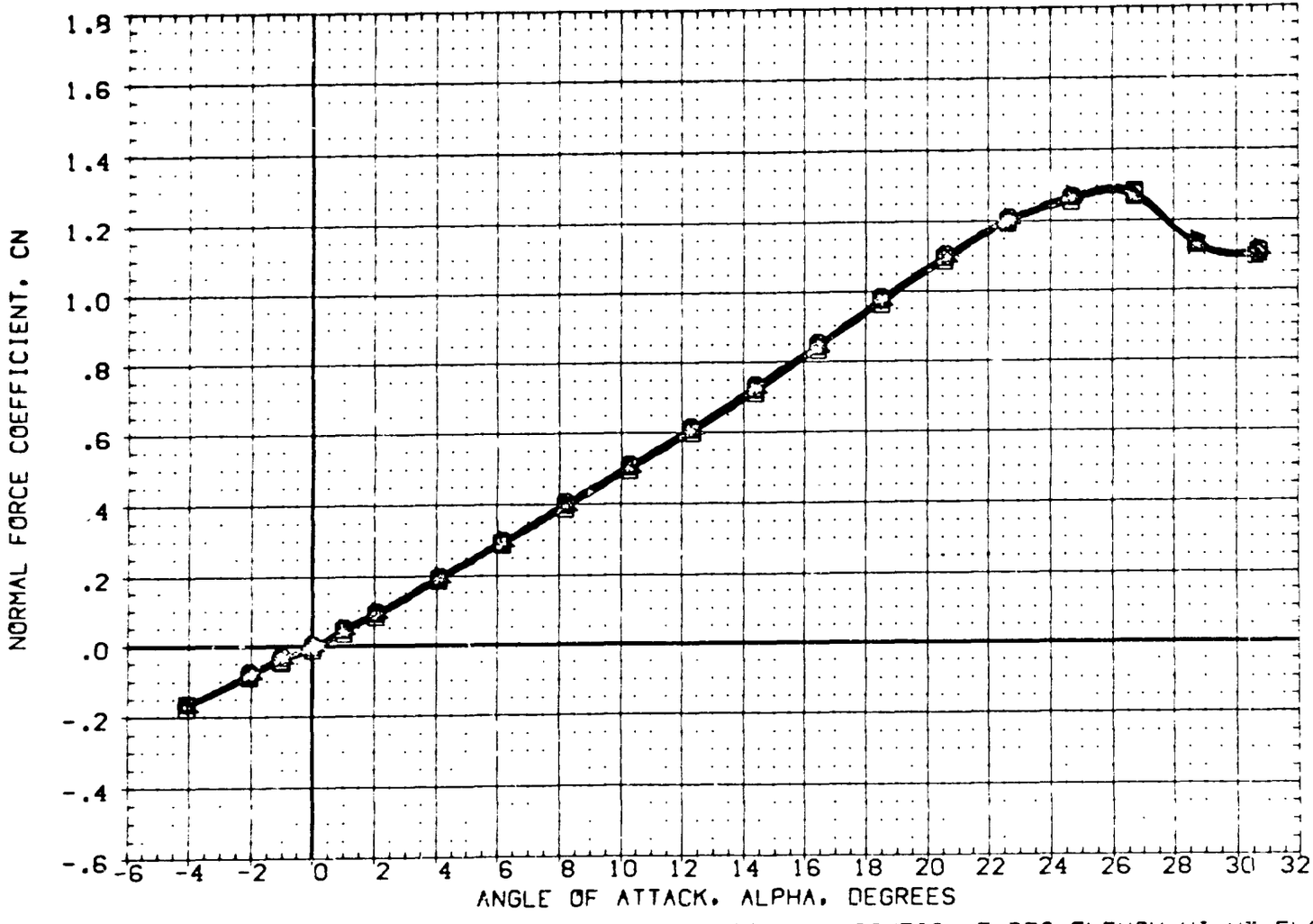



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI W" FLO

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx275) | □ | OAB6 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADx270) | ◇ | OAB6 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADx277) | ⋈ | OAB6 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADx272) | △ | OAB6 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADx276) | ▷ | OAB6 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADx271) | ▽ | OAB6 | B48C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | NZFLOW | SPOBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

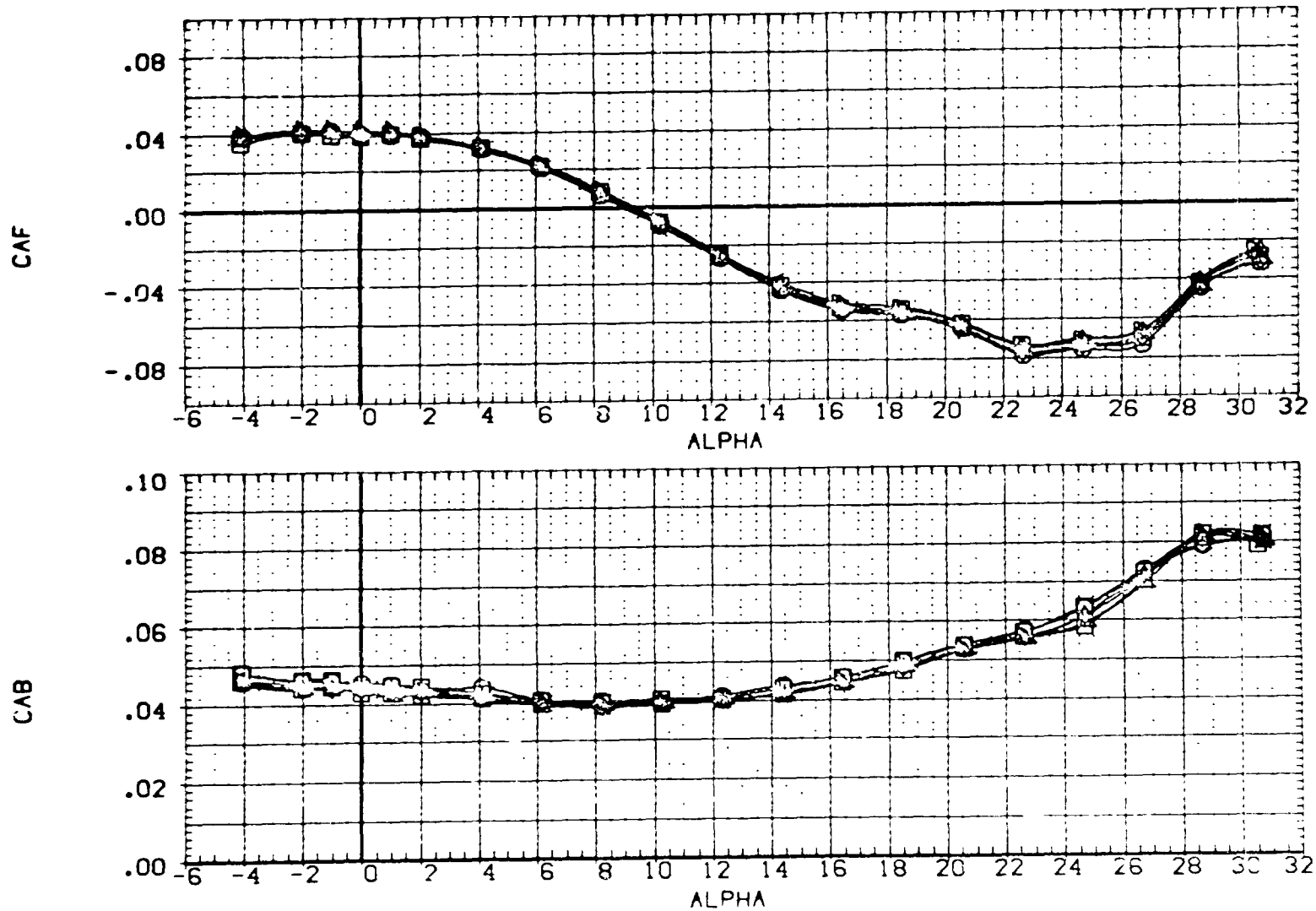



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI W. FLO

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX275) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX270) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX277) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX272) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX276) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX271) | ◇ | 0A86 | B48C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | NZFLOW | SPDBRK |
|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .100 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |
| 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

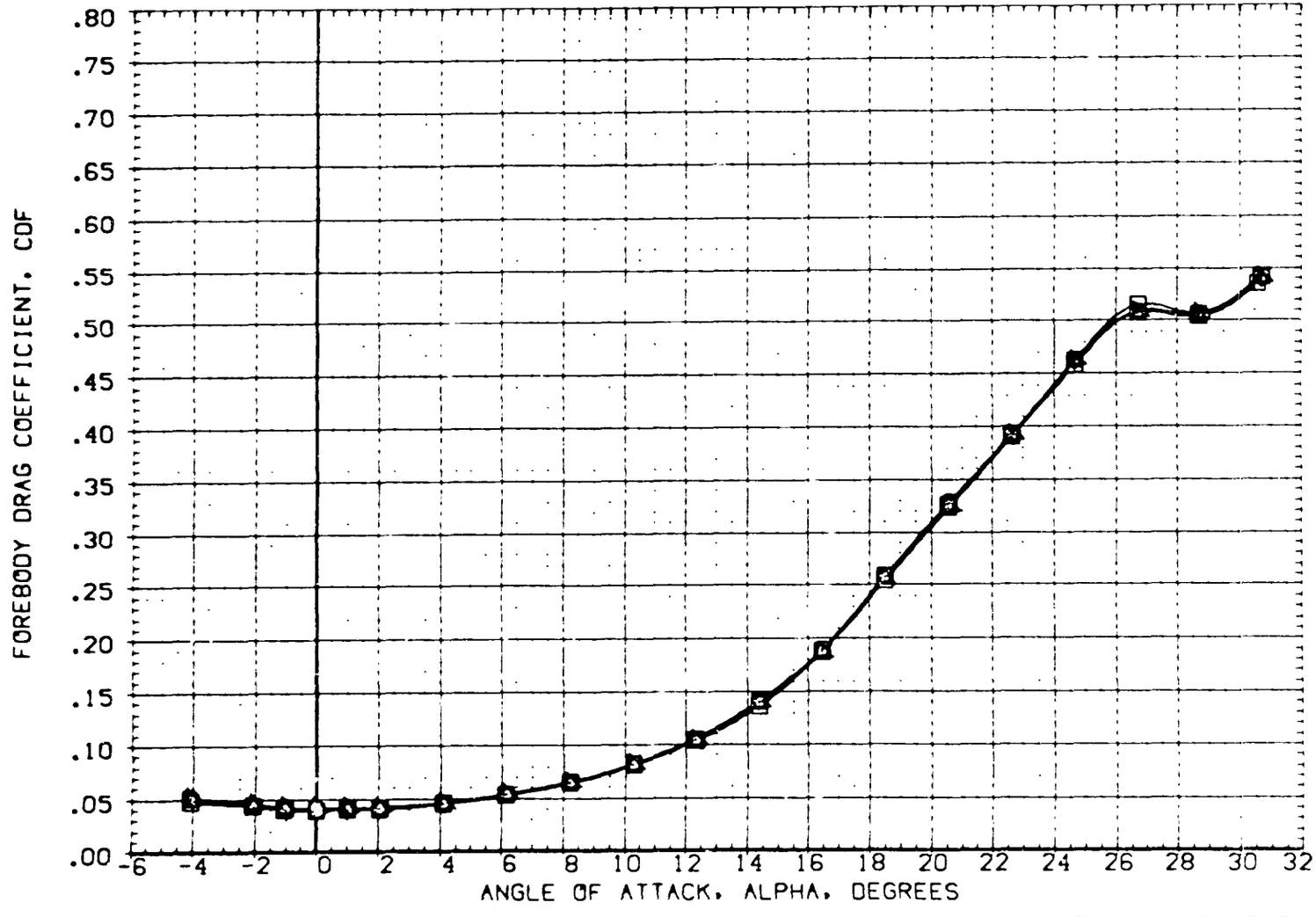



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI *T FLO

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | NZFLOW | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX275) | □ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | -12.000 | .000 | 25.000 |
| (ADX270) | ◇ | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 |
| (ADX277) | △ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | -12.000 | .100 | 25.000 |
| (ADX272) | ▽ | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .100 | 25.000 |
| (ADX276) | ◁ | OA86 | B48C9 | M7F8 | W116E26V8R5X9+RK | 5.000 | -12.000 | .200 | 25.000 |
| (ADX271) | ▷ | OA86 | B48C9 | M7F8 | W116E26V8R5X9 | 5.000 | -12.000 | .200 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

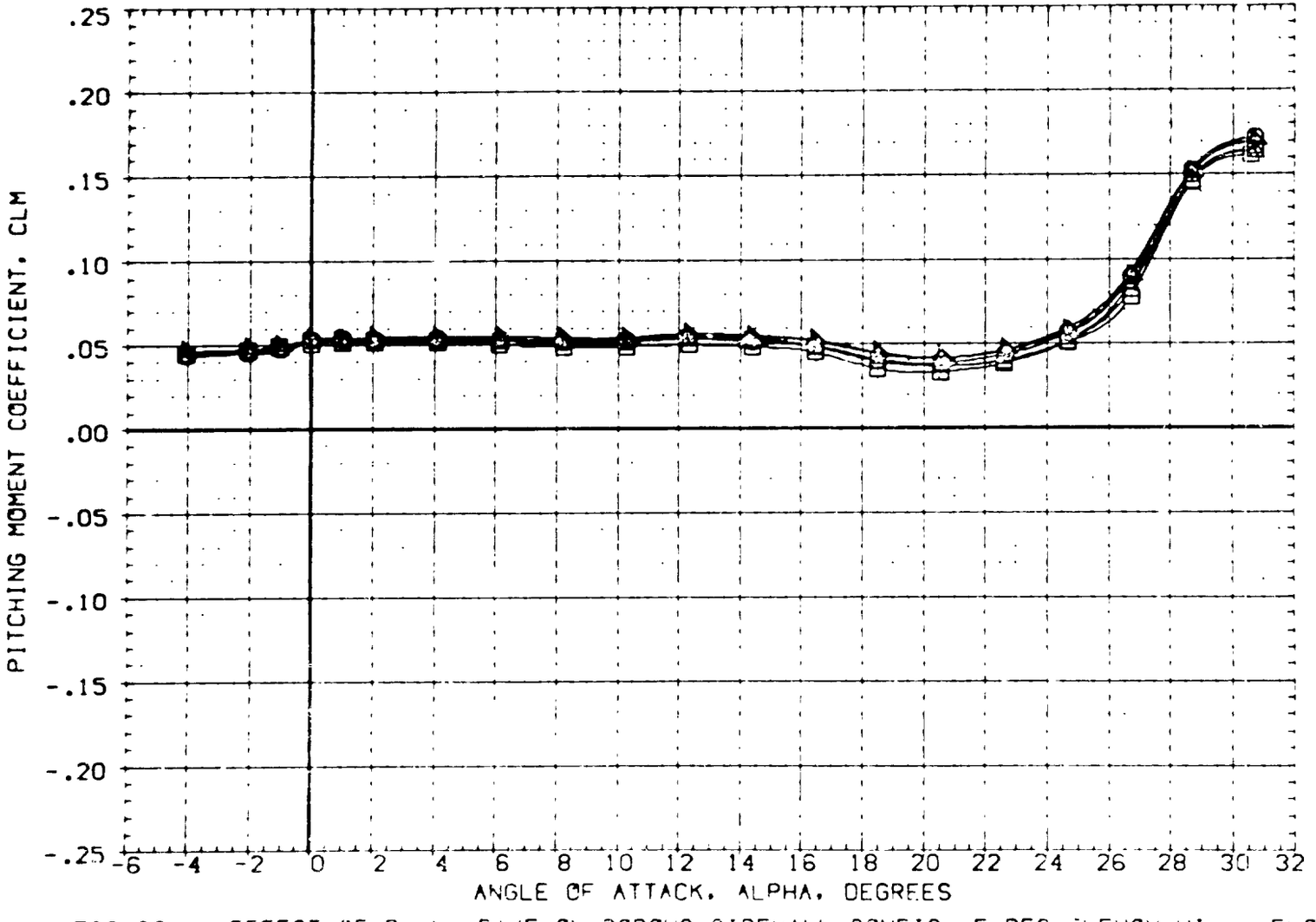



FIG 62 EFFECT OF B. L. FIRE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI . FLO

(A)MAC = .20

PAGE

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX275) | □ | BA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX270) | ◇ | BA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX277) | △ | BA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX272) | ▽ | BA86 | B48C9 | M7F8 | W116E26V8R5X9 |
| (ADX276) | ○ | BA86 | B48C9 | M7F8 | W116E26V8R5X9+RK |
| (ADX271) | ⬠ | BA86 | B48C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | N2FLOW | SPOBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|
| 5.000 | -12.000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| 5.000 | -12.000 | .000 | 25.000 | LREF | 19.2460 | INCHES |
| 5.000 | -12.000 | .100 | 25.000 | BREF | 37.9671 | INCHES |
| 5.000 | -12.000 | .100 | 25.000 | XMRP | 43.5974 | INCHES |
| 5.000 | -12.000 | .200 | 25.000 | YMRP | .0000 | INCHES |
| 5.000 | -12.000 | .200 | 25.000 | ZMRP | 15.1875 | INCHES |
| | | | | SCALE | .0405 | SCALE |

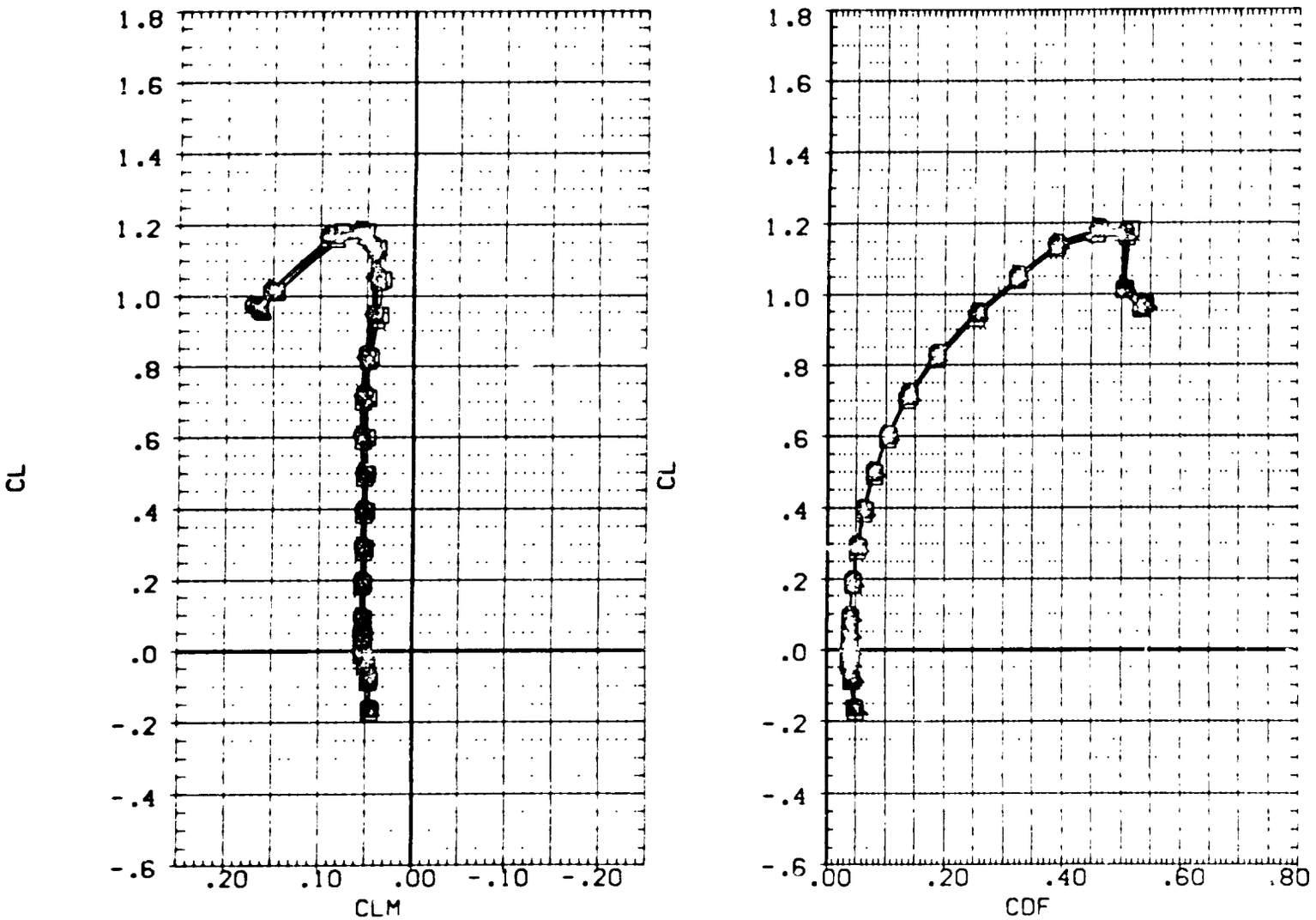



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI WT FLO

(A)MACH = .20

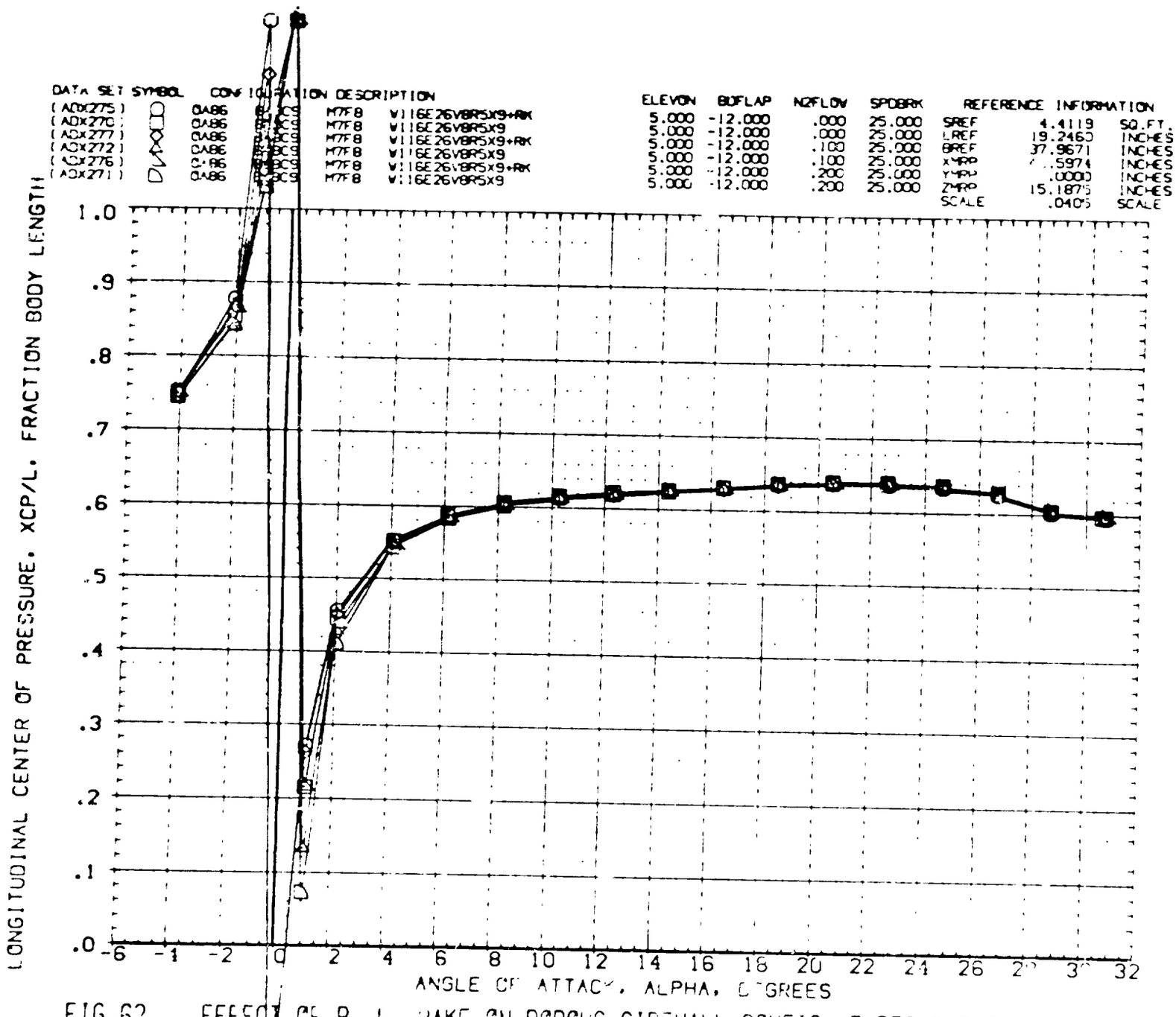



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON [illegible] FLO

(A)MACH = .29

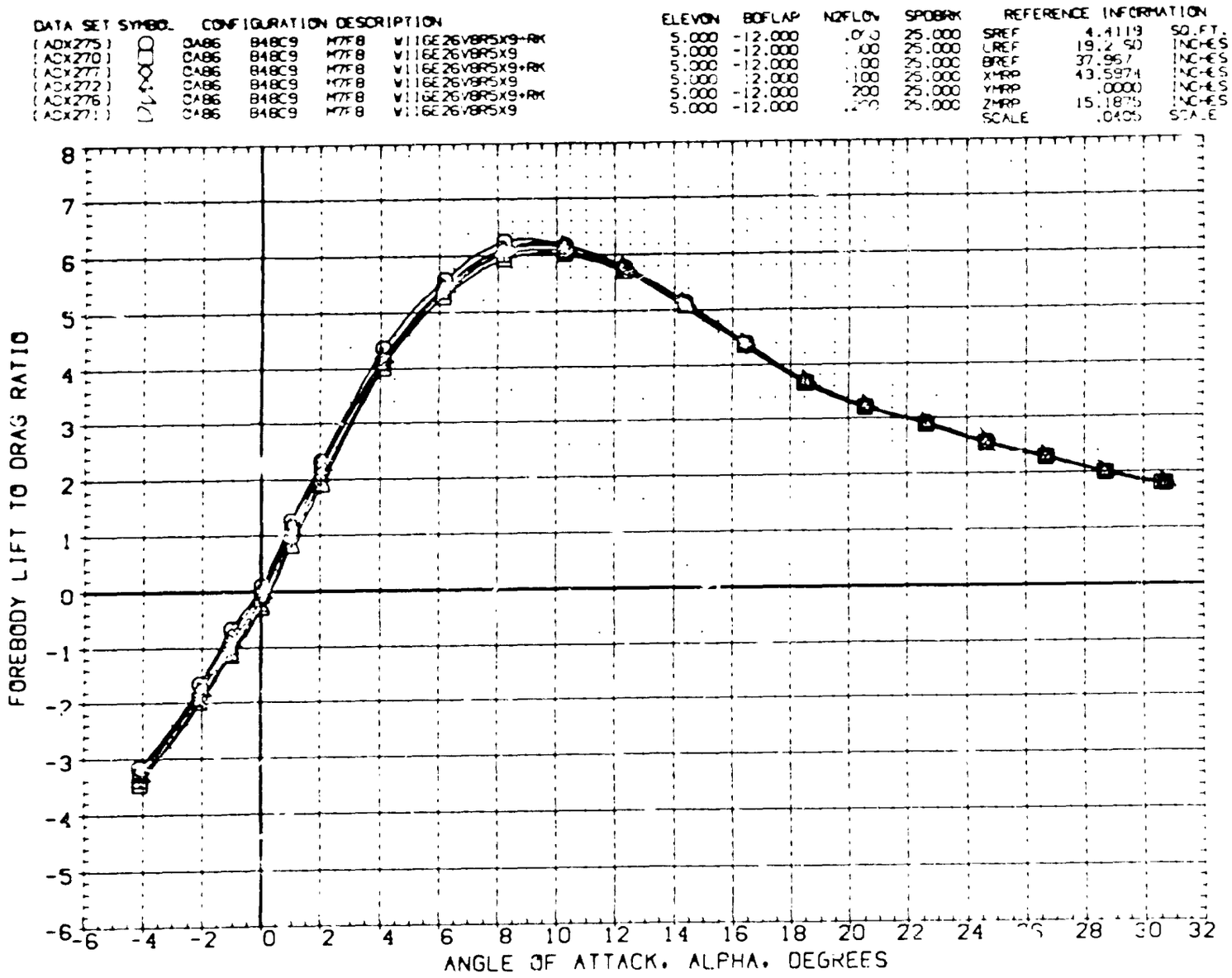



FIG 62 EFFECT OF B. L. RAKE ON POROUS SIDEWALL CONFIG. 5 DEG ELEVON HI WT FLO

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX207) | ○ | 0A86 | B50C3 | 7F3 | W1.6E26V8R5X9 |
| (ADX212) | □ | 0A86 | B50C9 | M7F8 | W1.6E26V8R6X9 |

| ELEVON | BDFLAP | RUDDER | SPOILER |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

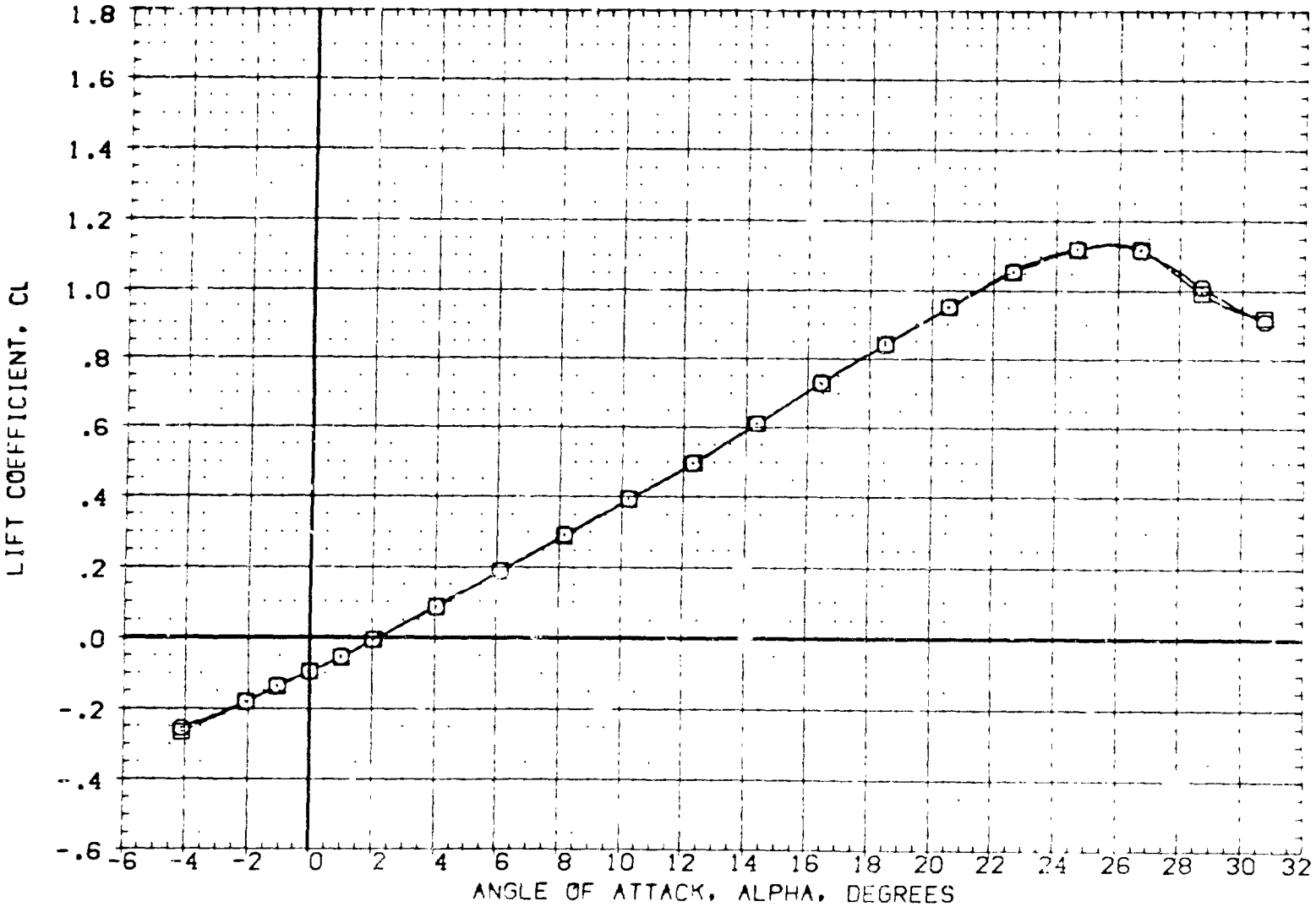



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .27

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX207) ○ | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 | |
| (ADX212) □ | 0A86 | 850C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | -7.360 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

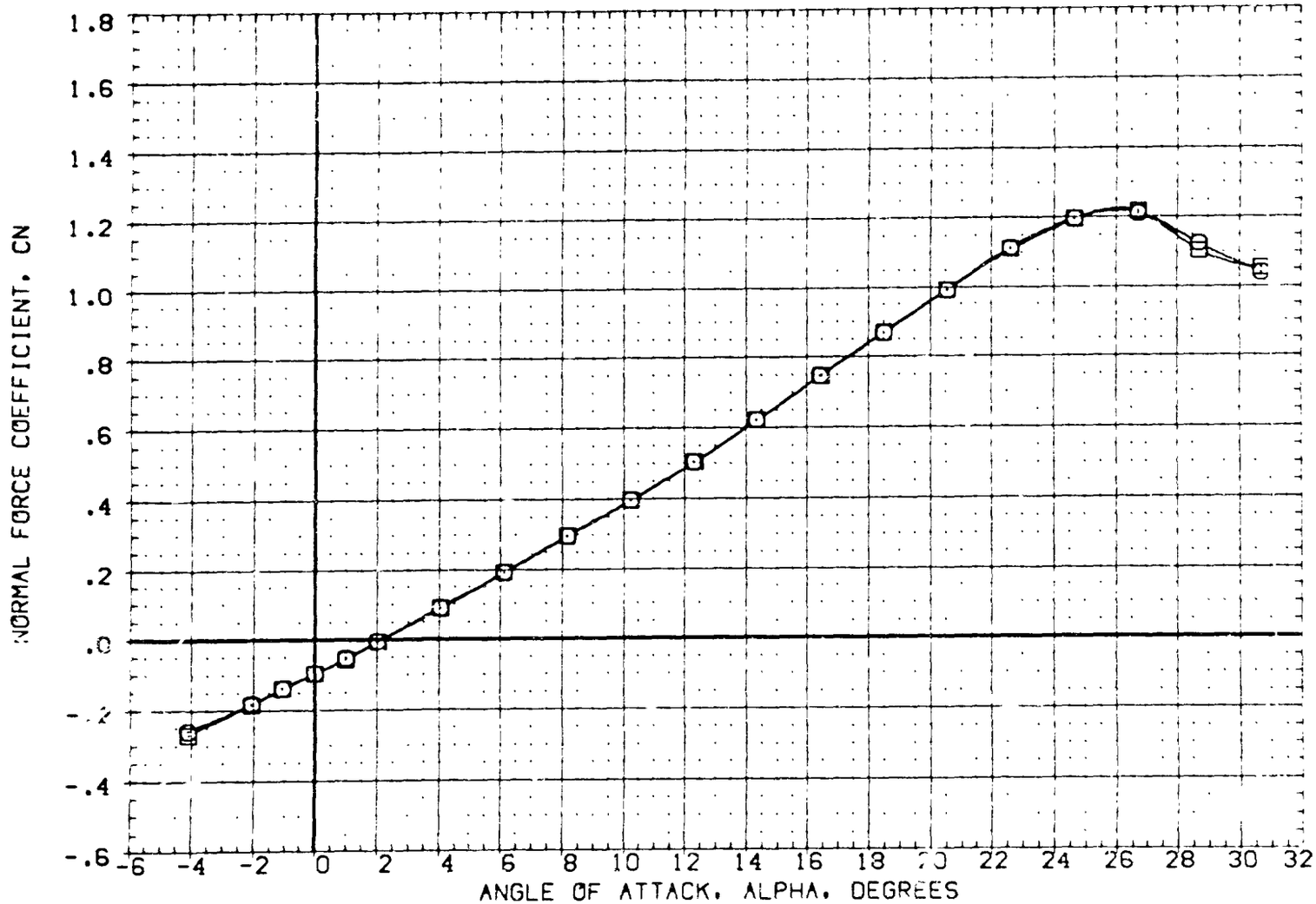



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX207) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX212) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

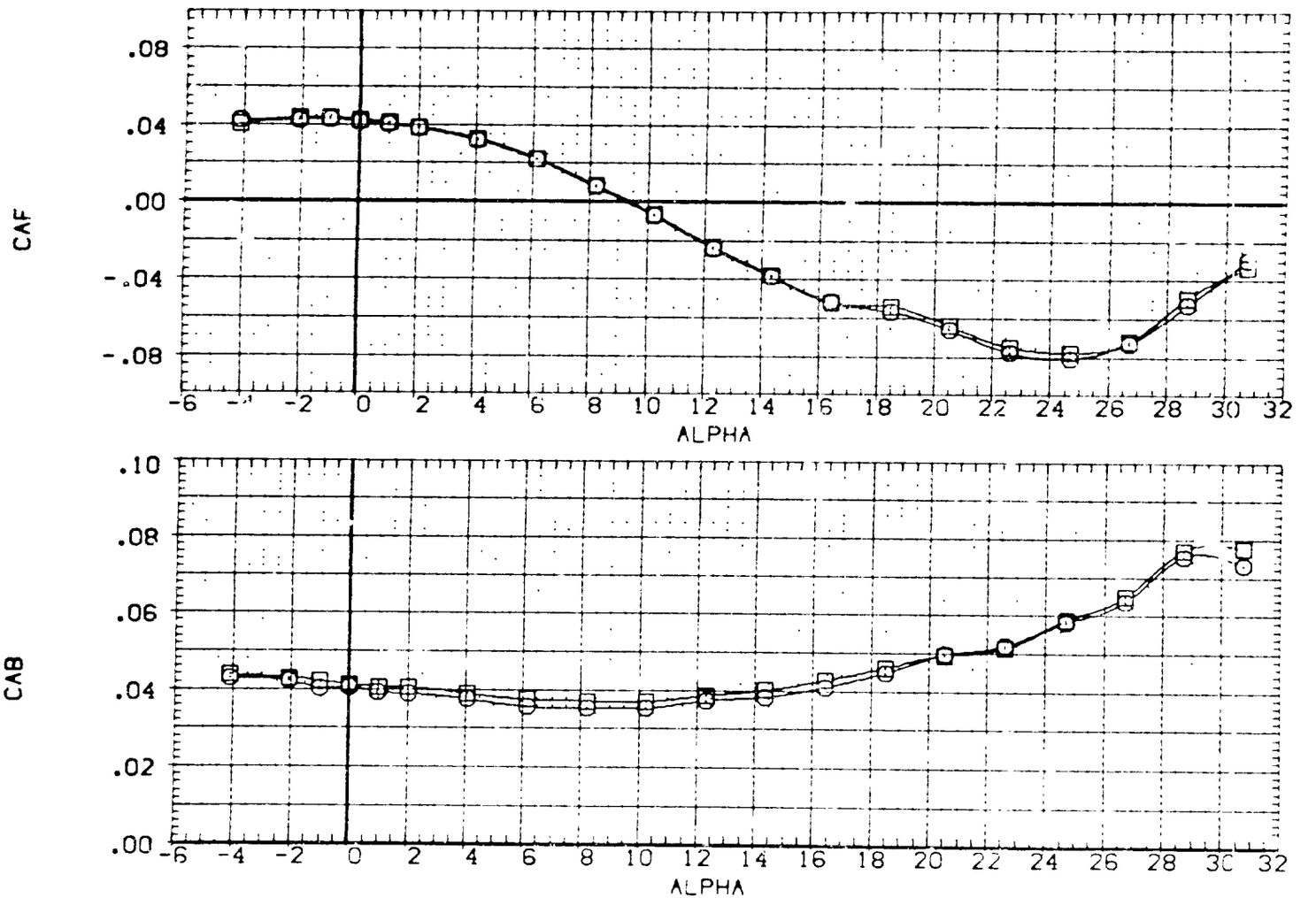



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX207) | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | |
| (ADX212) | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

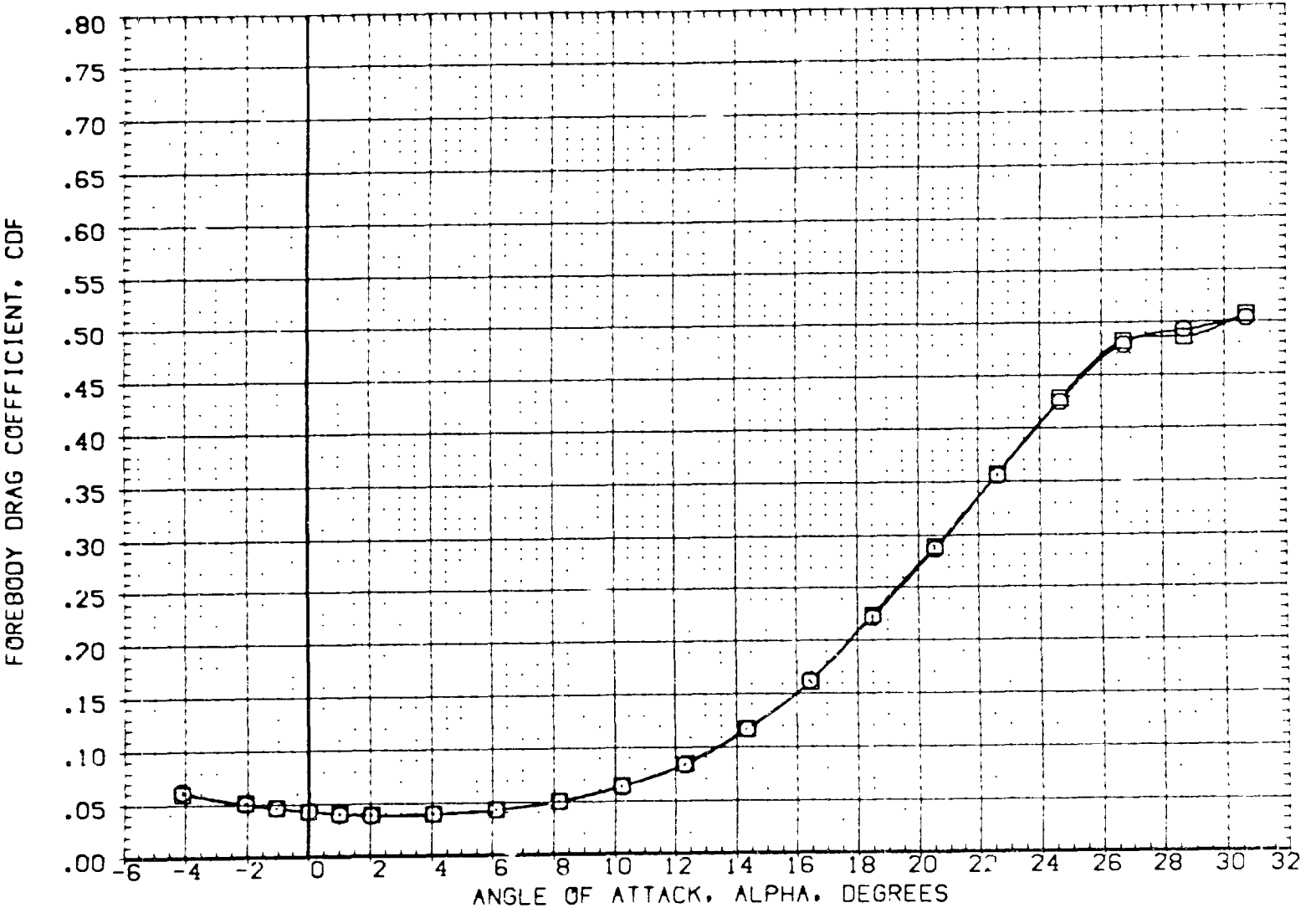



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (AOx207) | ○ | 0A86 | 850C9 | M7F8 | W11GE26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (AOx212) | □ | 0A86 | 850C9 | M7F8 | W11GE26V8R5X9 | .000 | -12.000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

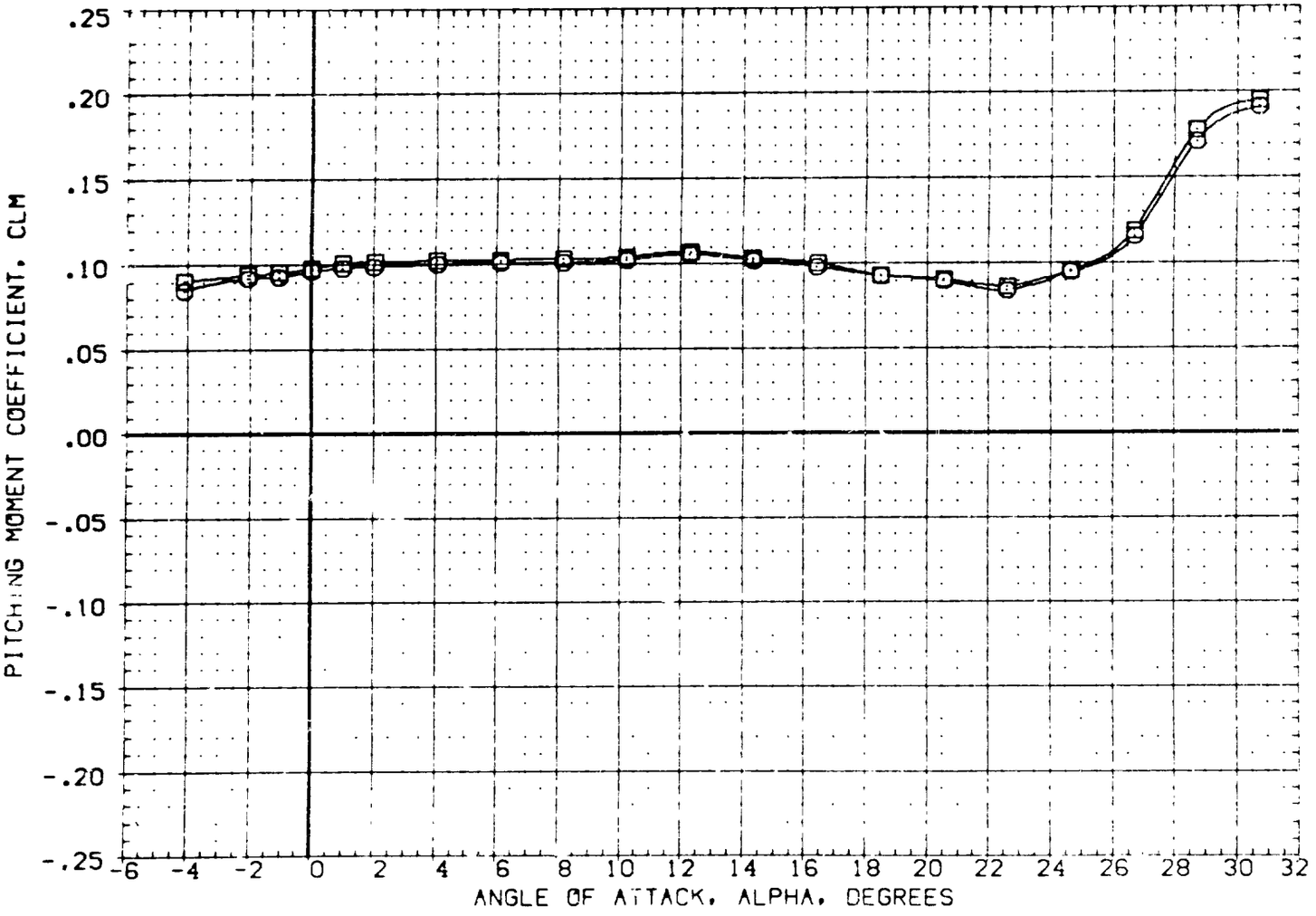



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (ADX207) | ○ | 0V86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX2.2) | □ | 0A36 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBNK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ. FT. |
| LREF | 15.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

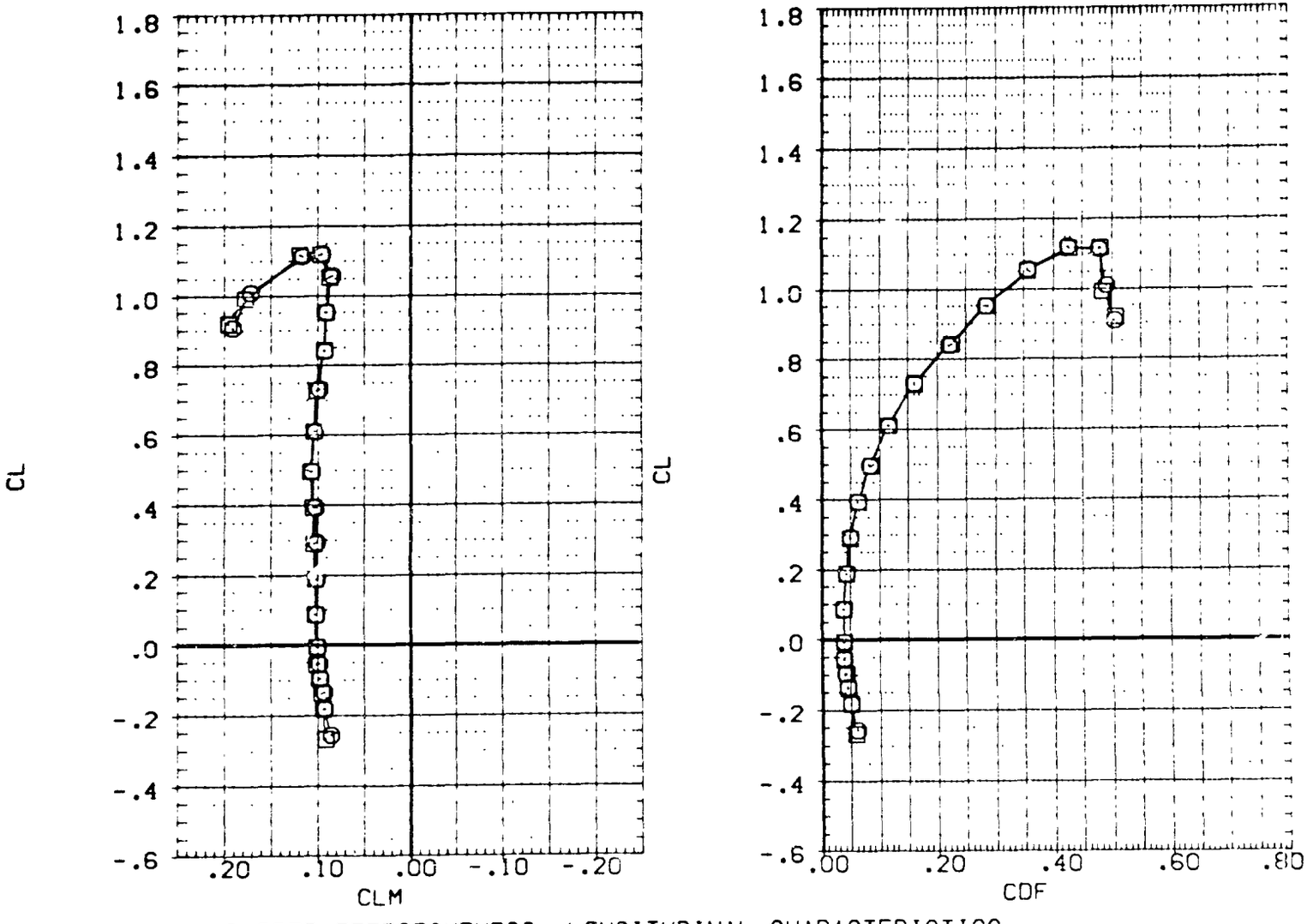



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

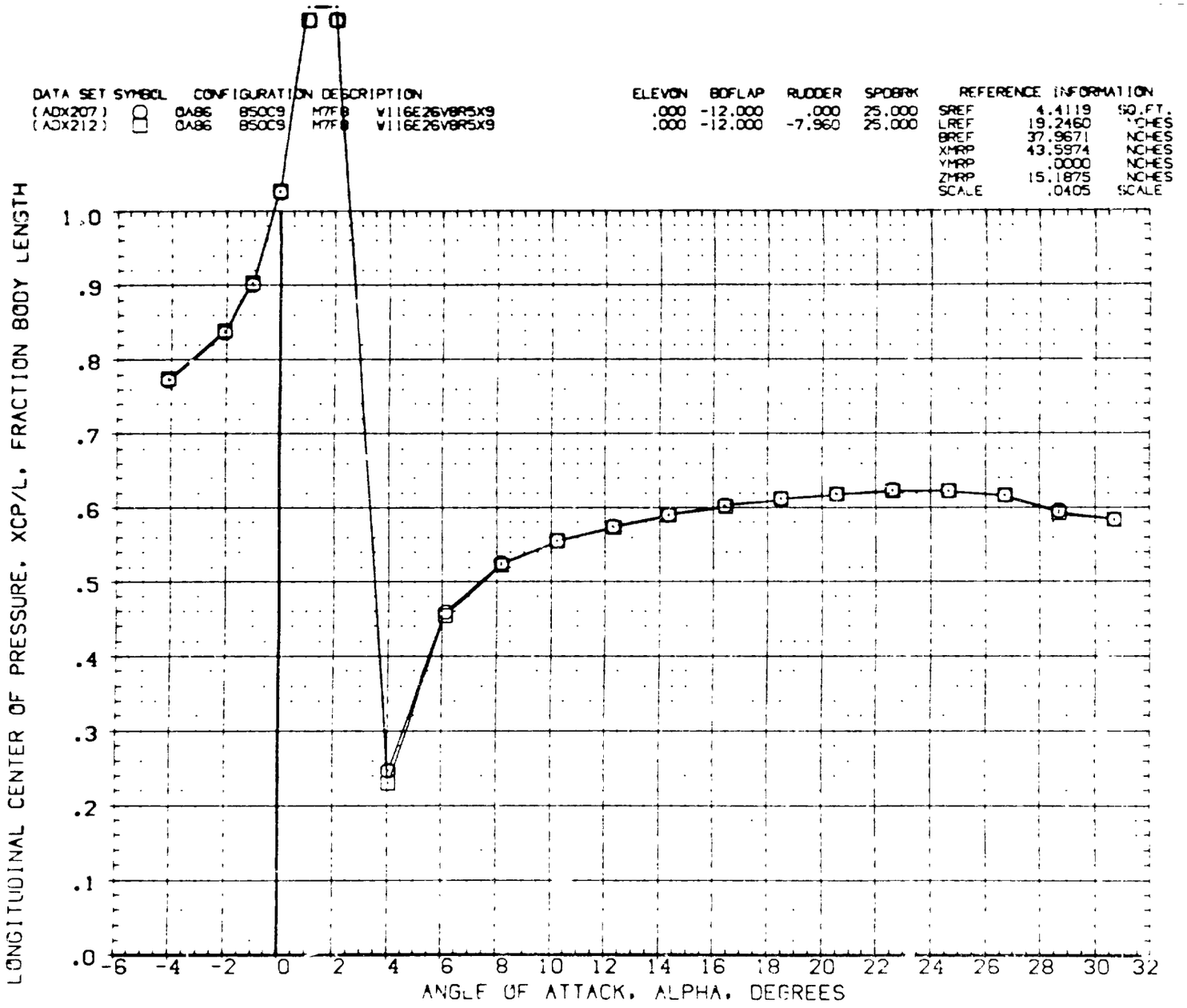



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (A0X207) | 3A86 | B50C9 | M7F8 | W116E26V8R5X9 | |
| (A0X212) | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

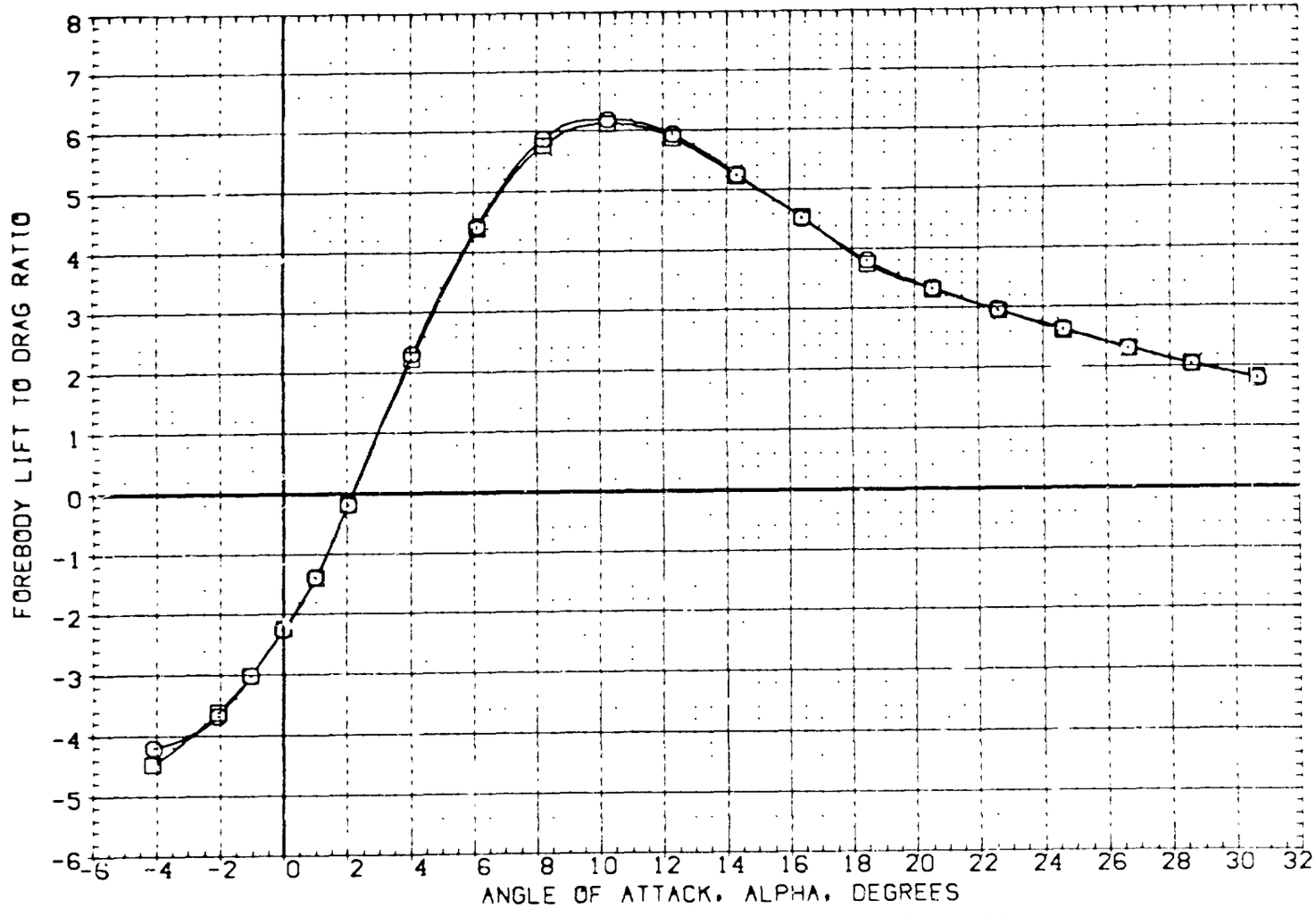



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX207) | ○ | DA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDX212) | □ | DA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| BETA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

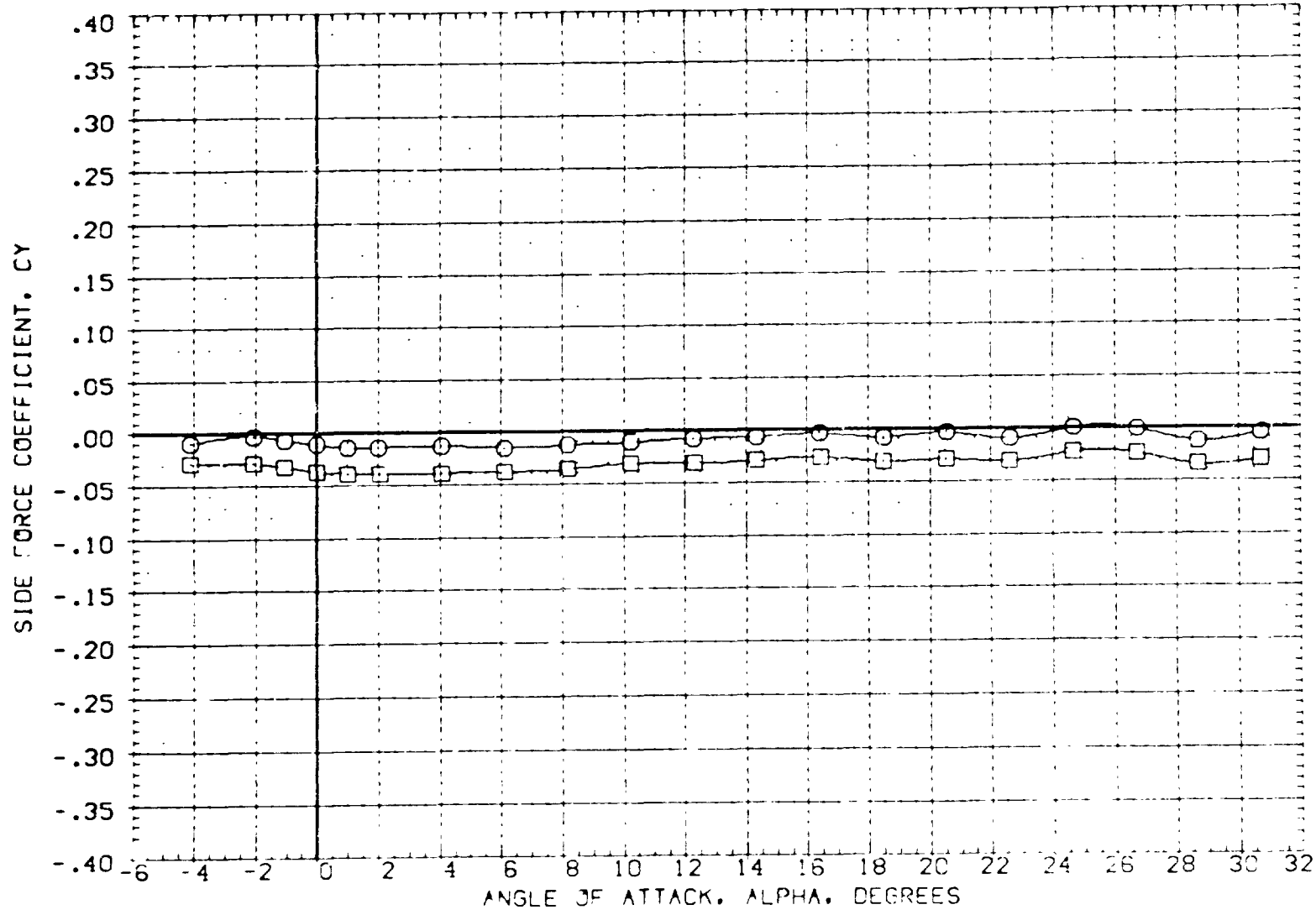



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | BETA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RCX207) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RCX212) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 15.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 40.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

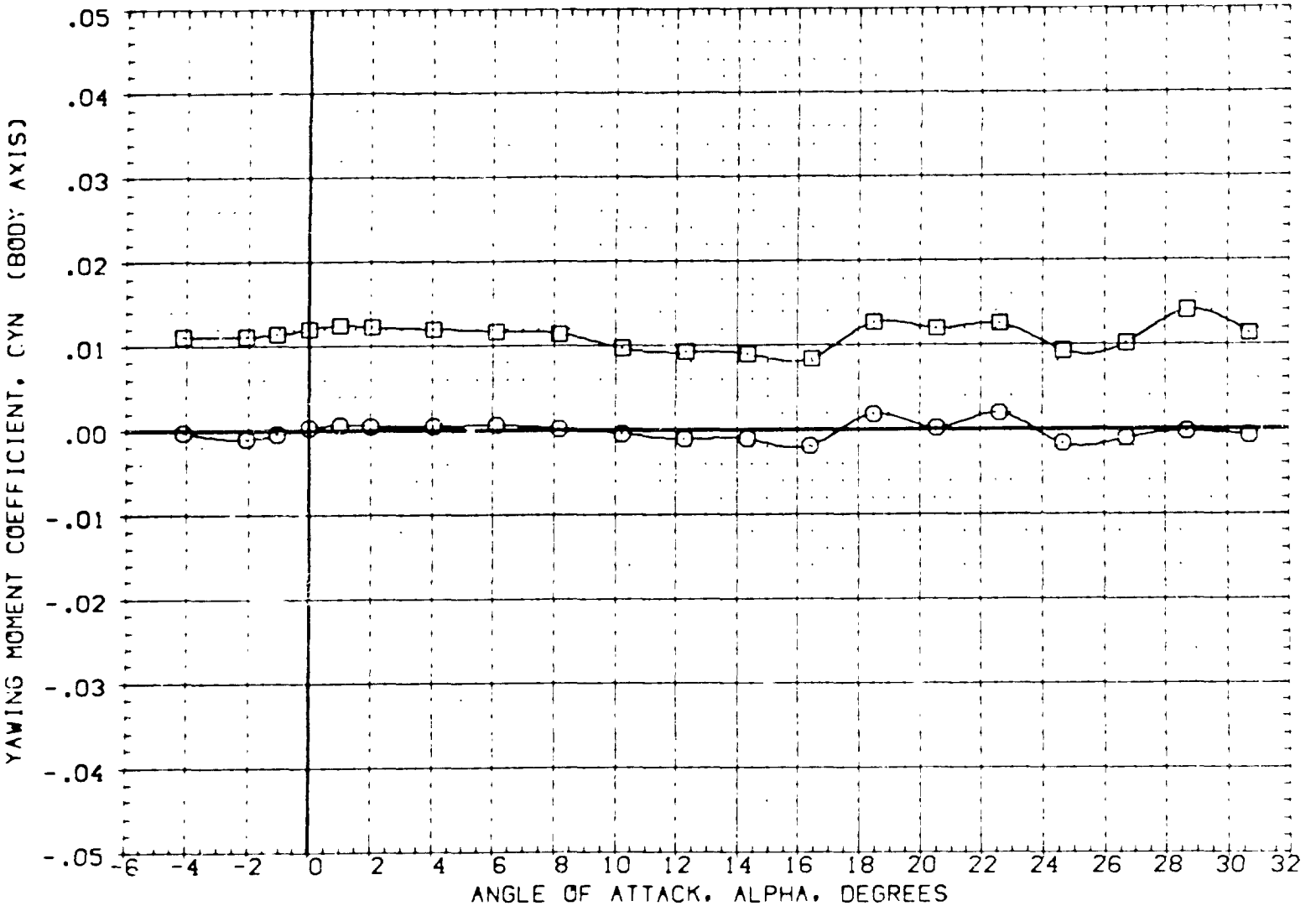



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | BETA | ELEVON | RUDDER | SPOILER | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (RUN 207) | □ | OA86 | BF 3C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 | SREF | 4.4119 | SQ.FT. |
| (RUN 212) | — | OA86 | BF3C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | -7.960 | 25.000 | LREF | 19.2460 | INCHES |
| | | | | | | | | | | BREF | 37.9671 | INCHES |
| | | | | | | | | | | XMRP | 43.5974 | INCHES |
| | | | | | | | | | | YMRP | .0000 | INCHES |
| | | | | | | | | | | ZMRP | 15.1875 | INCHES |
| | | | | | | | | | | SCALE | .0405 | SCALE |

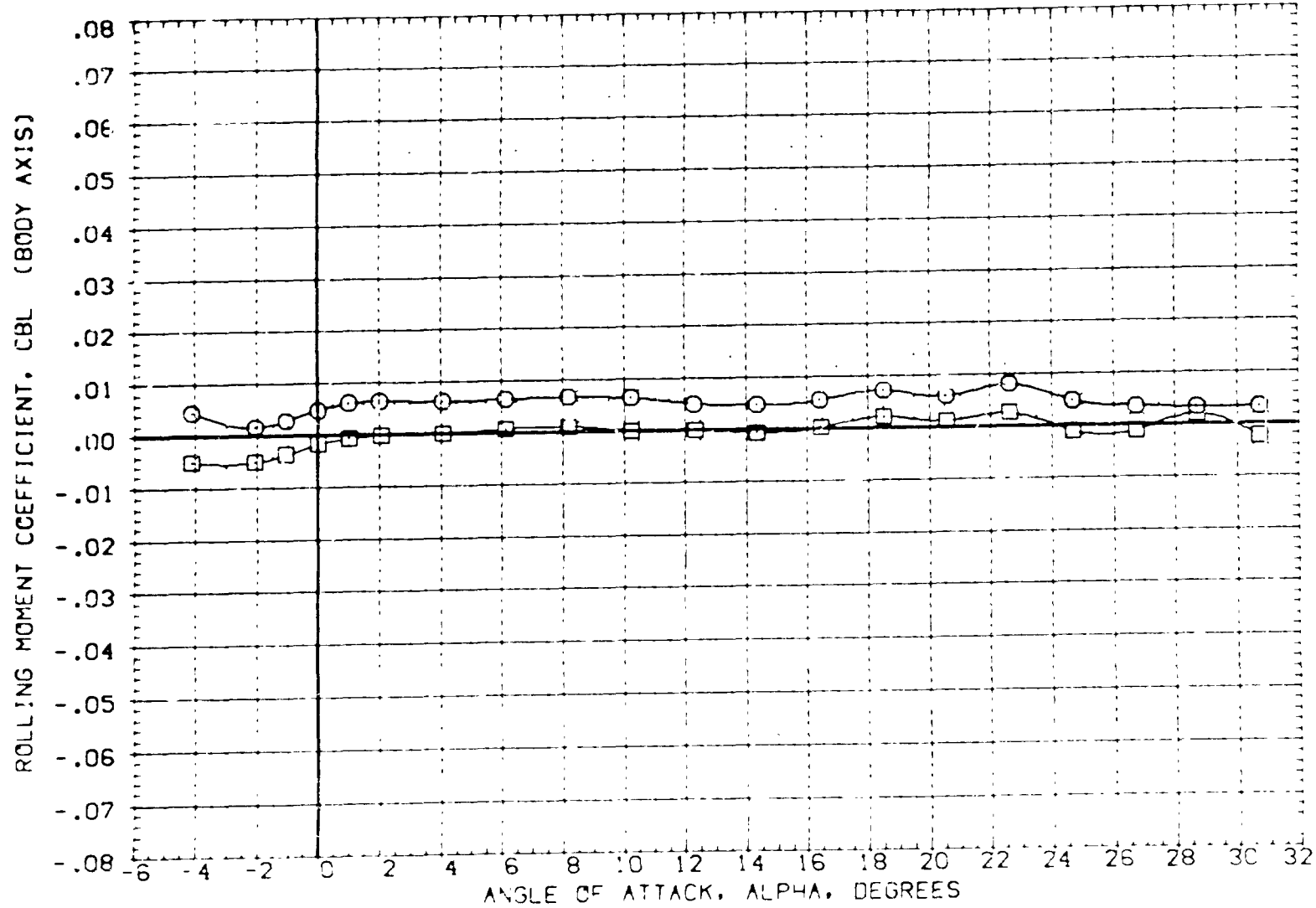



FIG 63 RUDDER EFFECTIVENESS, LONGITUDINAL CHARACTERISTICS

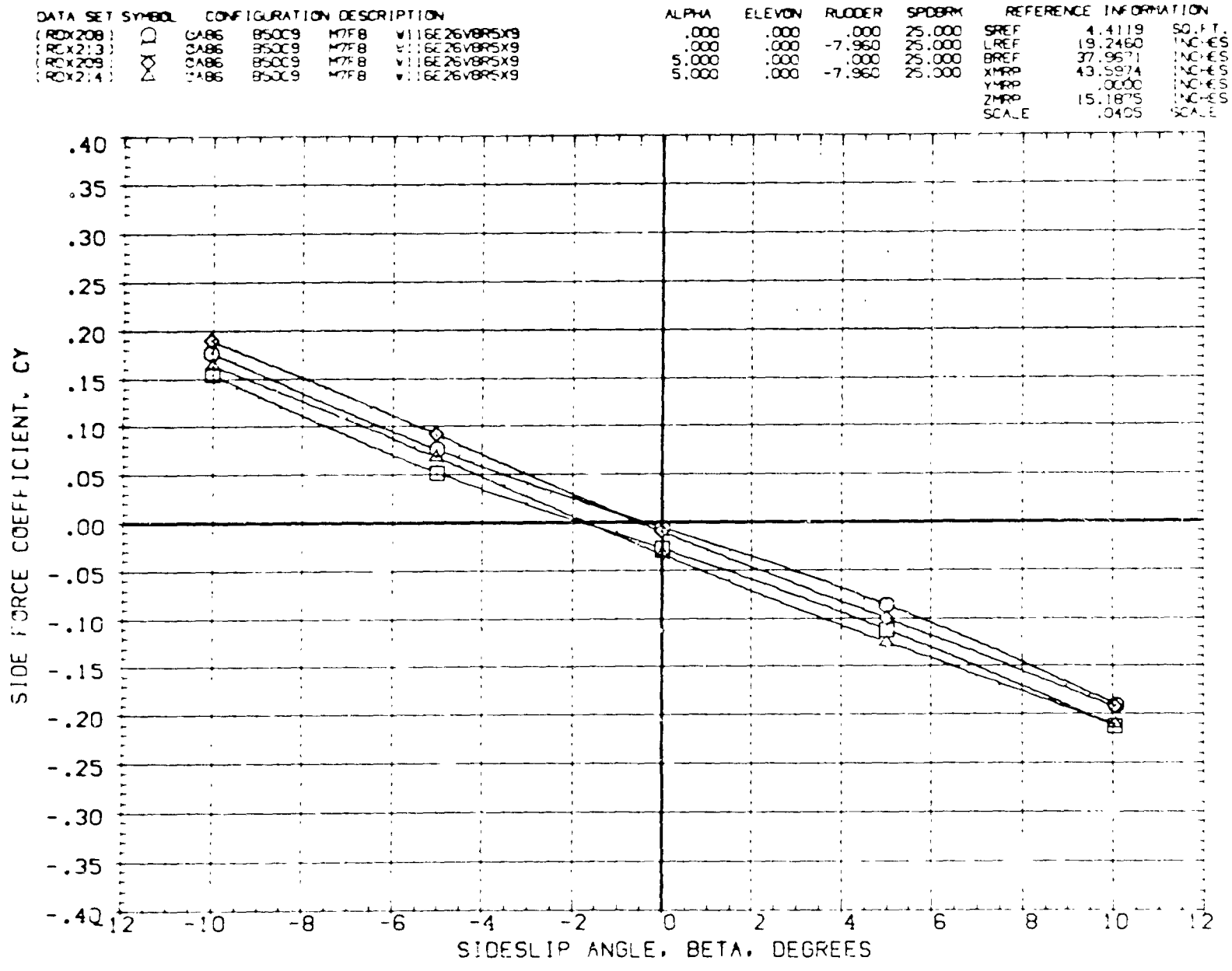



FIG 64 RUDDER EFFECTIVENESS. LATERAL CHARACTERISTICS, ALPHA = 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RO x208) | ☐ | OAB6 | B50C9 | M7F8 | W116E26V8REX9 | .000 | .000 | .000 | 25.000 |
| (RO x213) | ⋈ | OAB6 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | -7.960 | 25.000 |
| (RO x209) | ⋈ | OAB6 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RO x214) | △ | OAB6 | B50C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1815 | INCHES |
| SCALE | .0405 | SCALE |

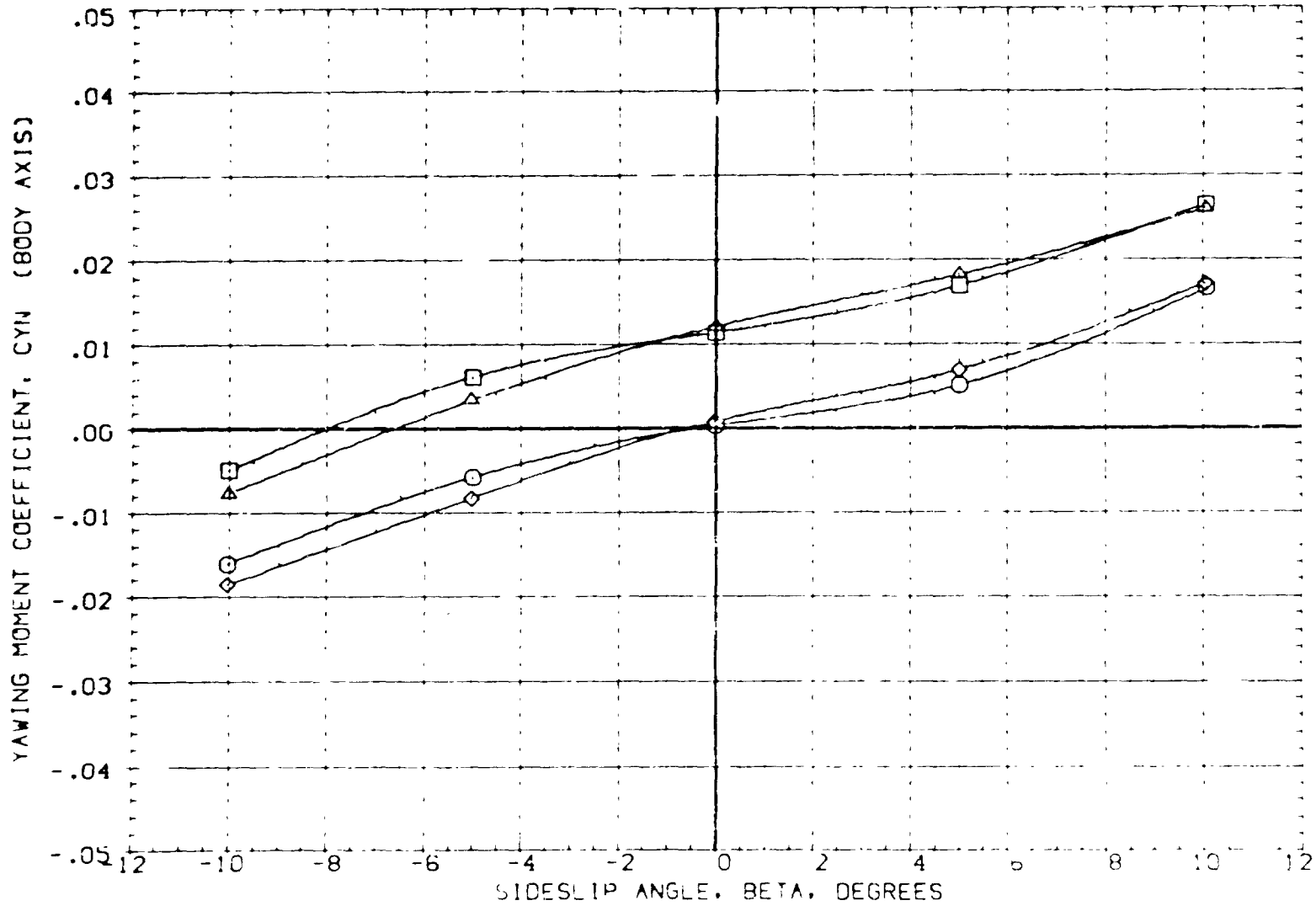



FIG 64 RUDDER EFFECTIVENESS, LATERAL CHARACTERISTICS, ALPHA = 0, 5

(ALPHA = .20

PAGE

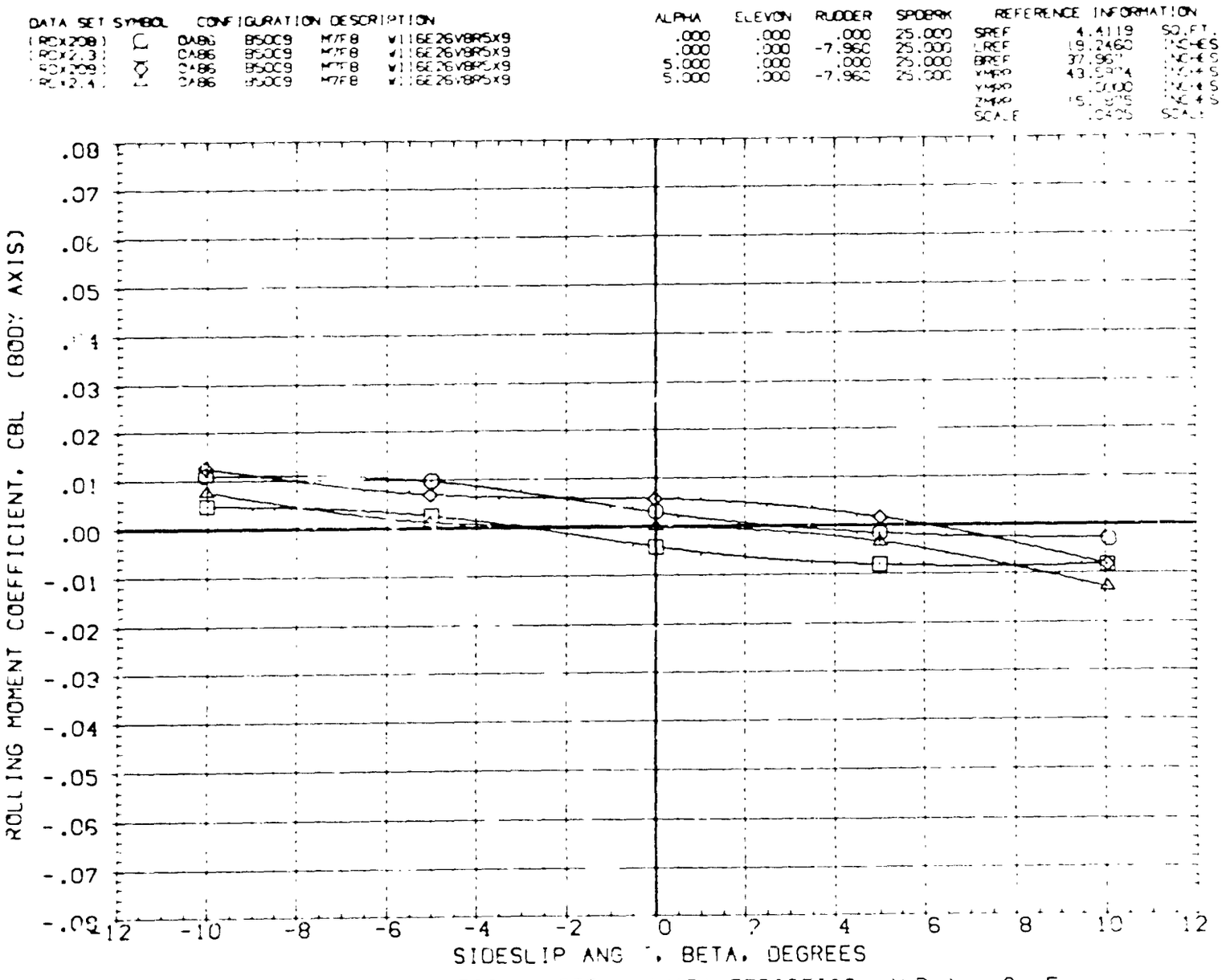



FIG 6. RUDDER EFFECTIVENESS, LATERAL CHARACTERISTICS, ALPHA = 0, 5

(A)MAC = .20

C-5

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (R0x210) | ☐ | 0A86 | B50C9 | 47F8 | W116E26V8R5X9 |
| (R0x215) | ◇ | 0A86 | B50C9 | 47F8 | W116E26V8R5X9 |
| (R0x211) | △ | 0A86 | B50C9 | 47F8 | W116E26V8R5X9 |
| (R0x216) | ▽ | 0A86 | B50C9 | 47F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | -7.960 | 25.000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | -7.960 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .105 | SCALE |

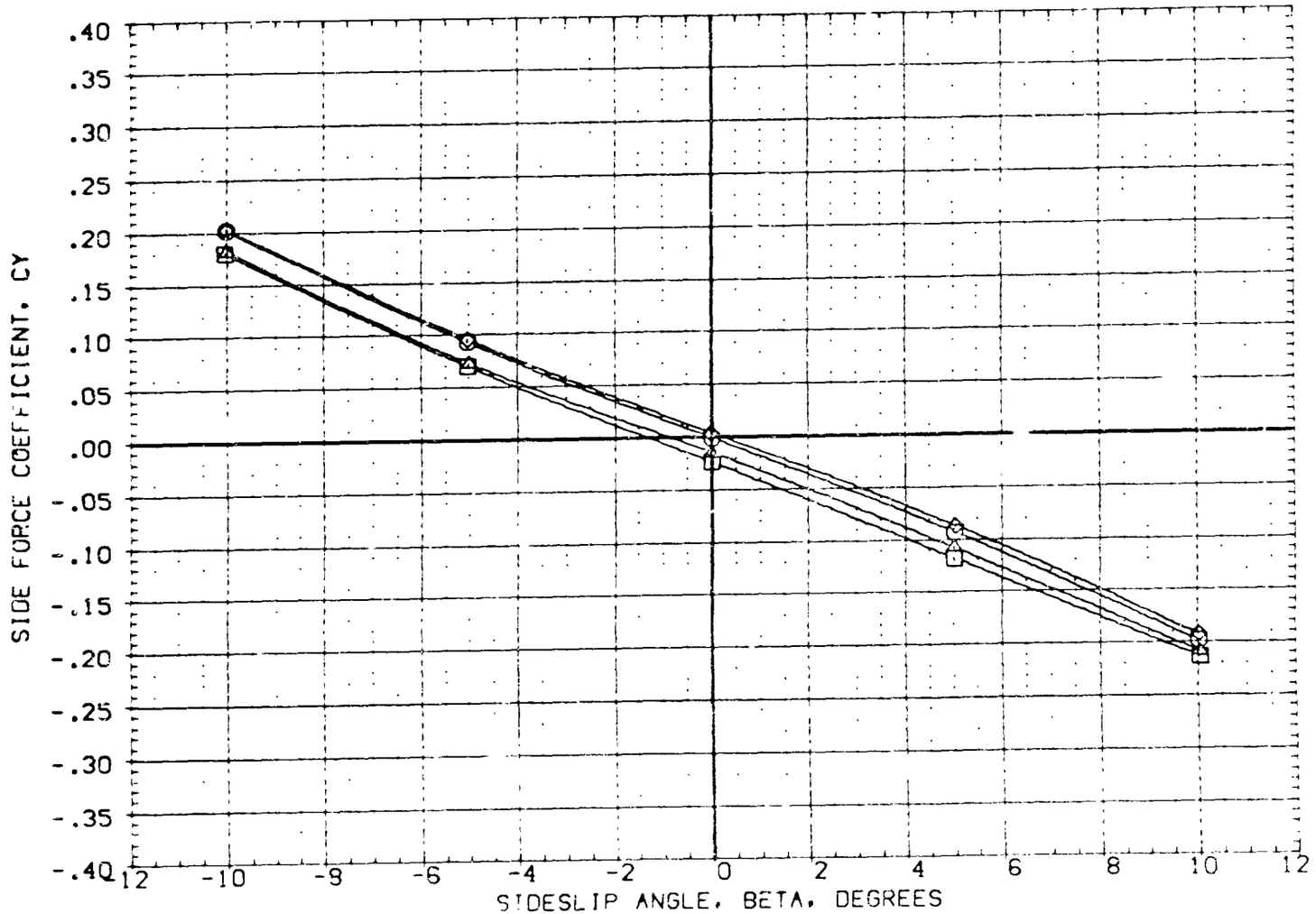



FIG 8[illegible] RUDDER EFFECTI[illegible]ESS, LATERAL CHARACTERISTICS, ALPHA = 10, 15

(A)MACH = .20

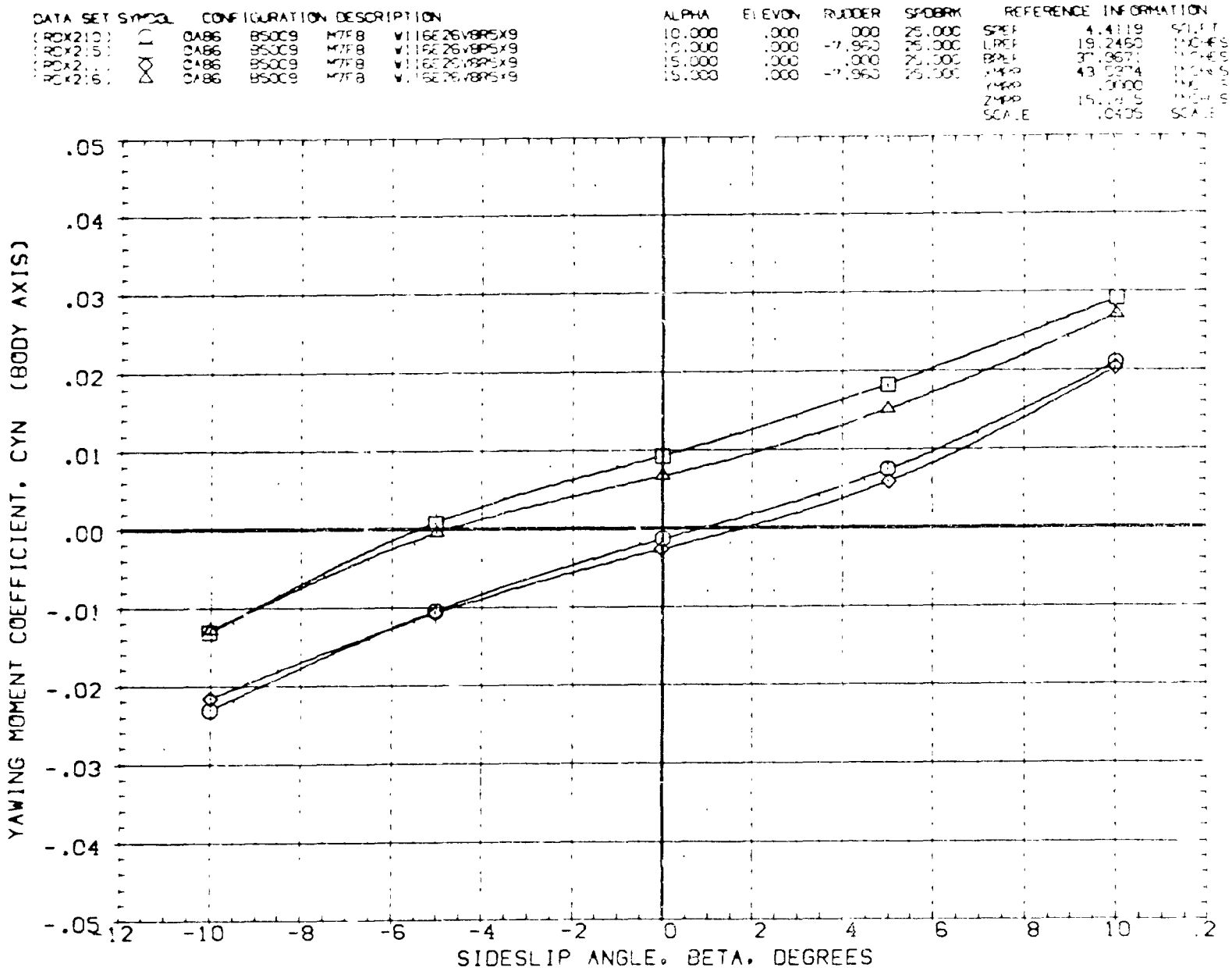



FIG 65 RUDDER EFFECTIVENESS, LATERAL CHARACTERISTICS, ALPHA = 10, 15

(A)MACH = .20

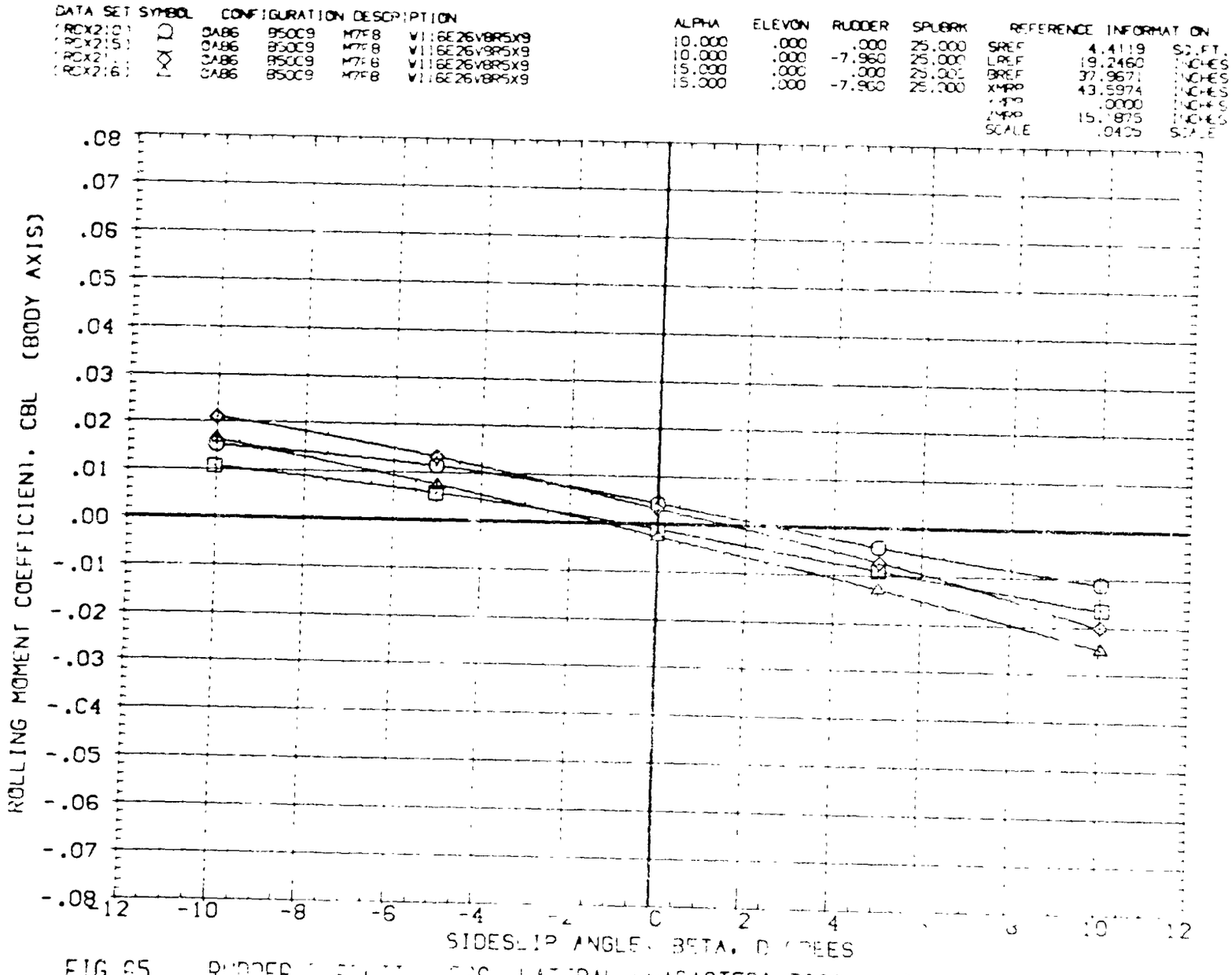



FIG 85 RUDDER [illegible] LESS, LATERAL CHARACTERISTICS, ALPHA .0, 15

(A)MAC- - .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | | 0A86 | 846C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX223) | | 0A86 | 850C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX228) | | 0A86 | 850C9 | M7F8 | W1I6E26V8R5X9 |
| (ADX233) | | 0A86 | 850C9 | M7F8 | W1I6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBR |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 40.000 |
| .000 | -12.000 | .000 | 85.300 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.3671 | INCHES |
| XMRP | 43.5071 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .2435 | SCALE |

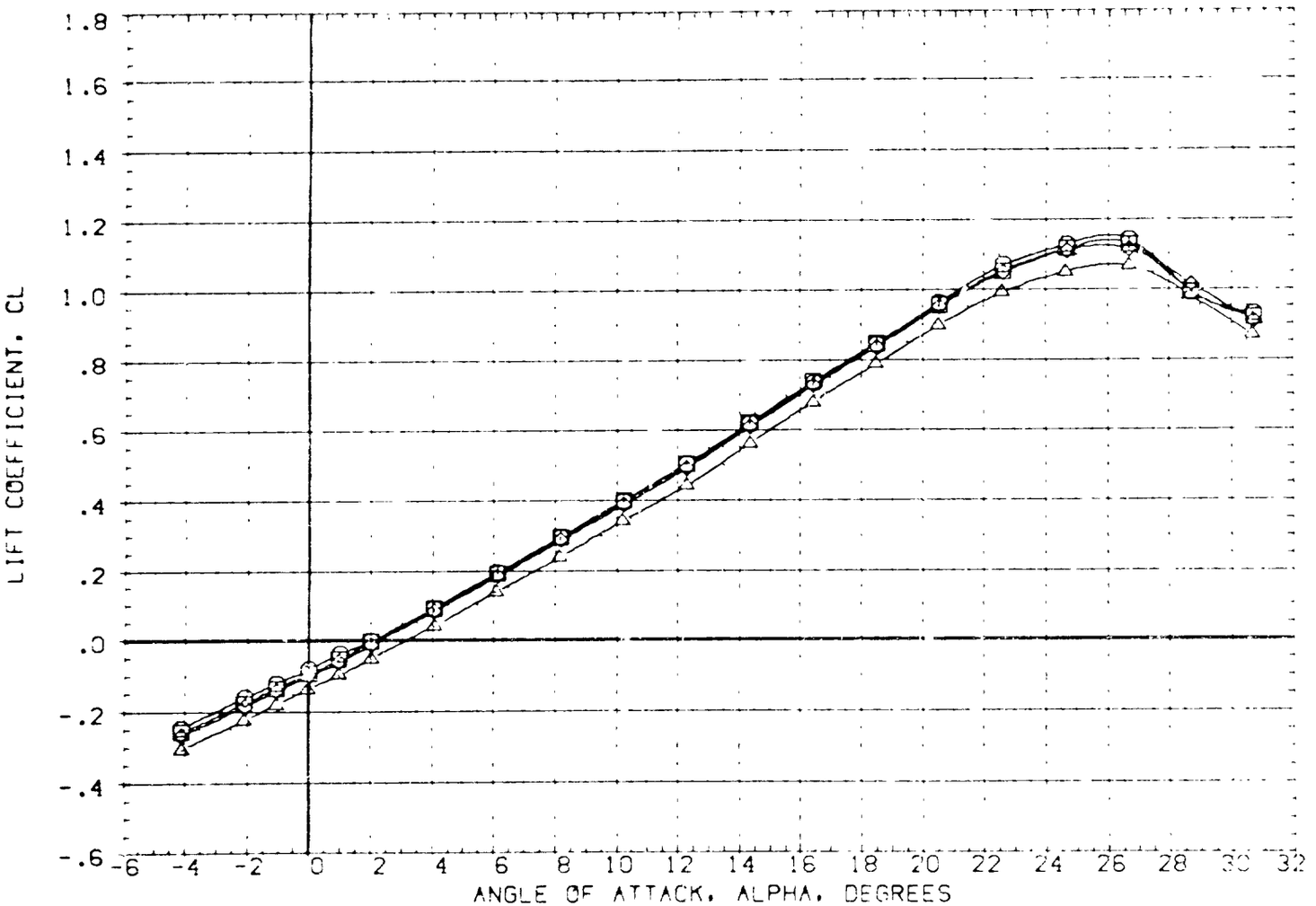



FIG 66 EFFECT OF RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| ADX155 | □ | CA86 | 846C9 | M7F8 | W116E26V8R5X9 |
| ADX223 | ◇ | CA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| ADX228 | ⊠ | CA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| ADX233 | △ | CA86 | 850C9 | M7F8 | W116E25V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 40.000 |
| .000 | -12.000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 5.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMPP | 43.5974 | INCHES |
| YMPP | .0000 | INCHES |
| ZMPP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

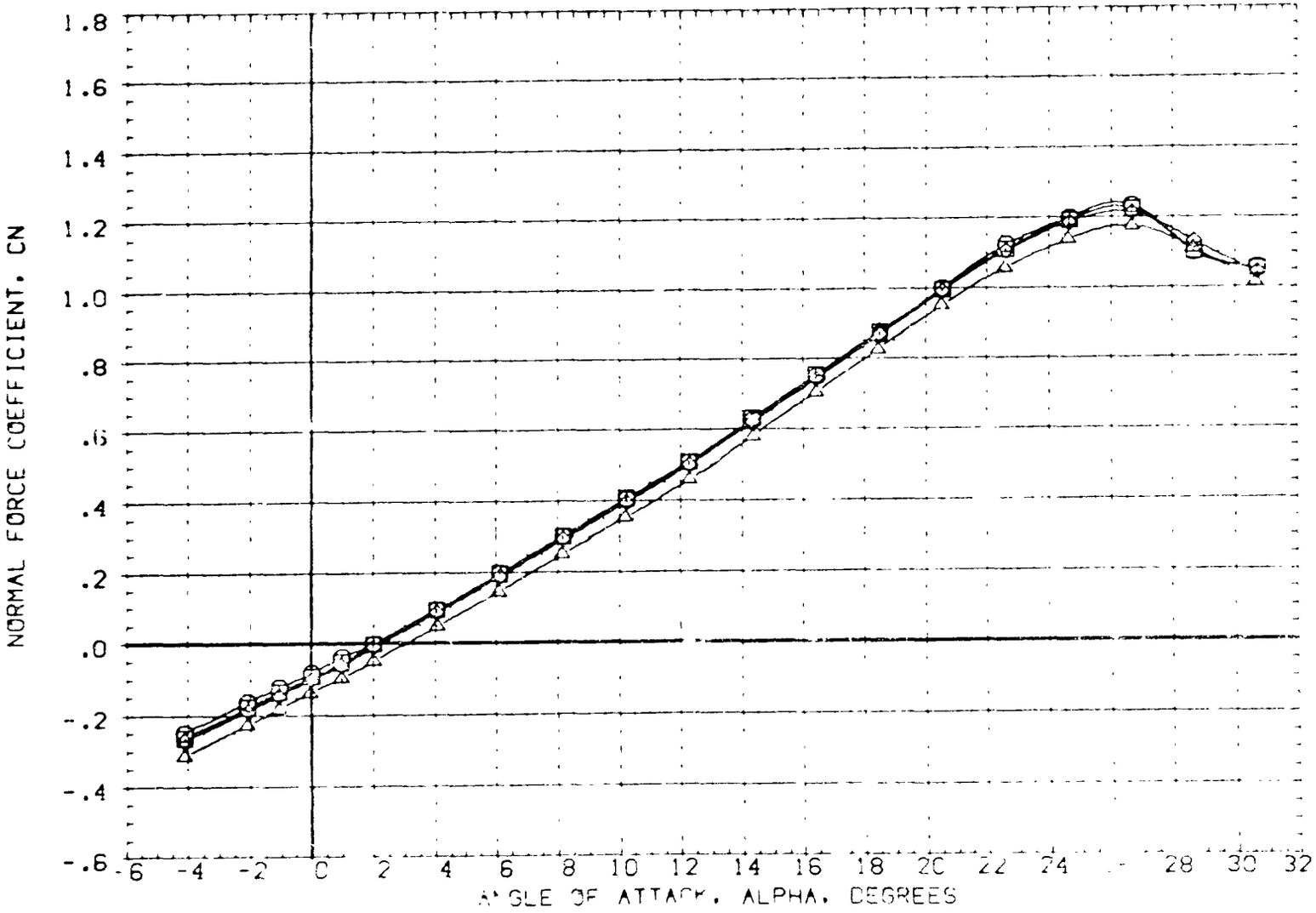



FIG 6[illegible] EFFECT OF RUDD[illegible] LARE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

PAGE [illegible]

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx155) | □ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADx223) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx228) | ⋈ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx233) | △ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 40.000 |
| .000 | -12.000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

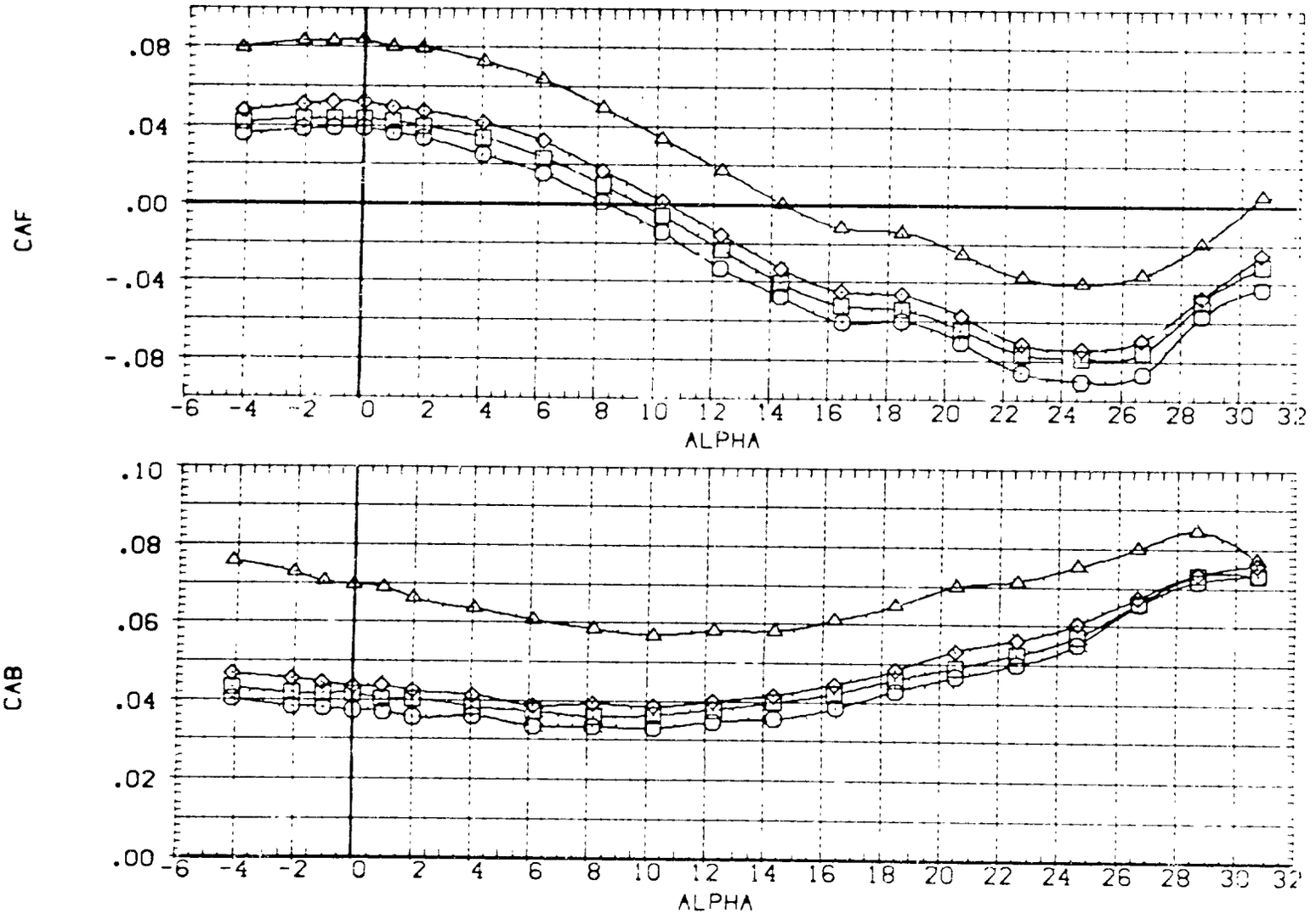



FIG 66 EFFECT OF RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | □ | OAB6 | B46C9 | M7F8 | W116E26VBR5X9 |
| (ADX223) | | OAB6 | B50C9 | M7F8 | W116E26VBR5X9 |
| (ADX226 | ◇ | OAB6 | B50C9 | M7F8 | W116E26VBR5X9 |
| (ADX235) | △ | OAB6 | B50C9 | M7F8 | W116E26VBR5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 40.000 |
| .000 | -12.000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 9.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

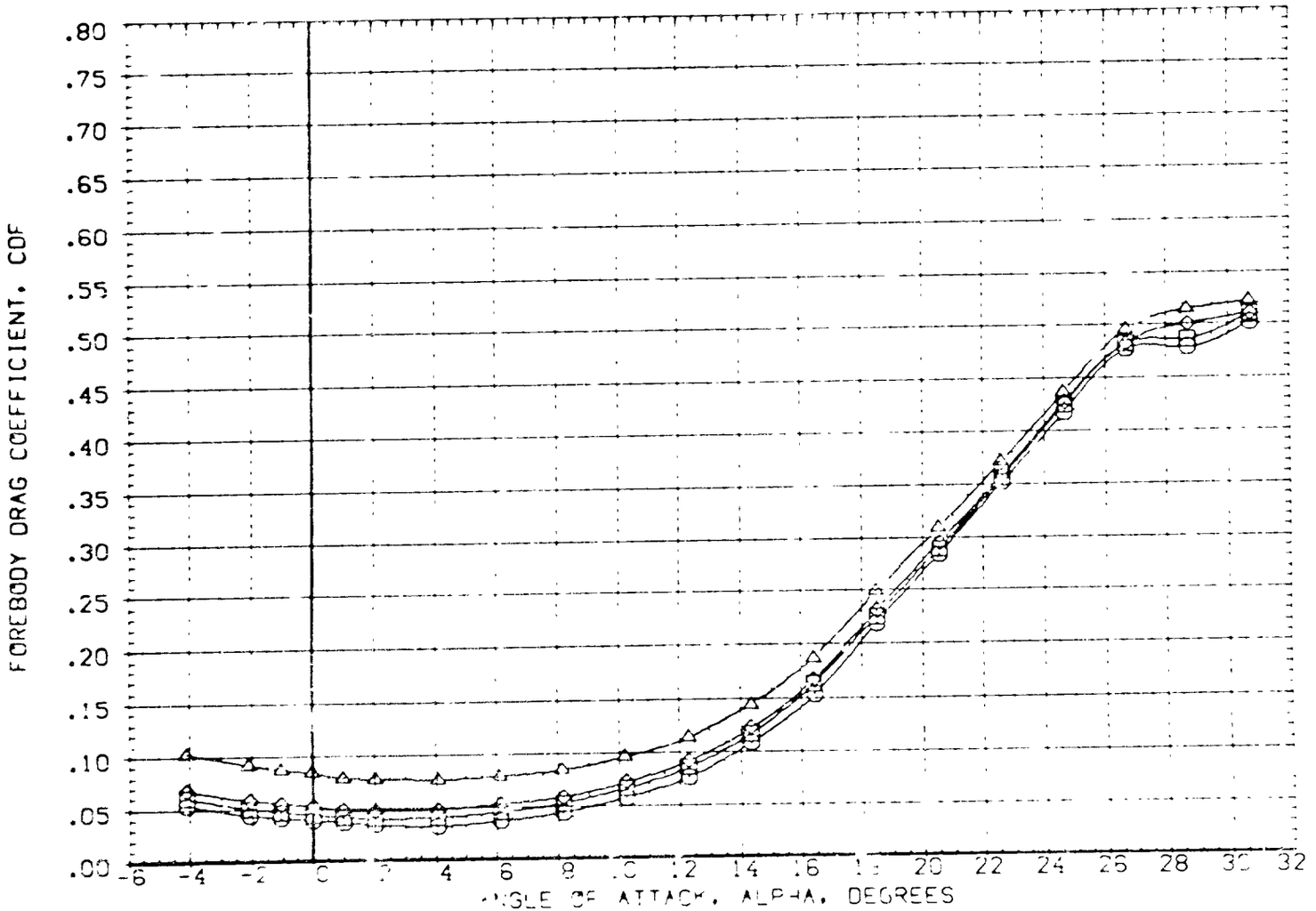



FIG 66 EFFECT RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

(ADMA [illegible] .02

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX223) | | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX228) | | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX233) | | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 40.000 |
| .000 | -12.000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

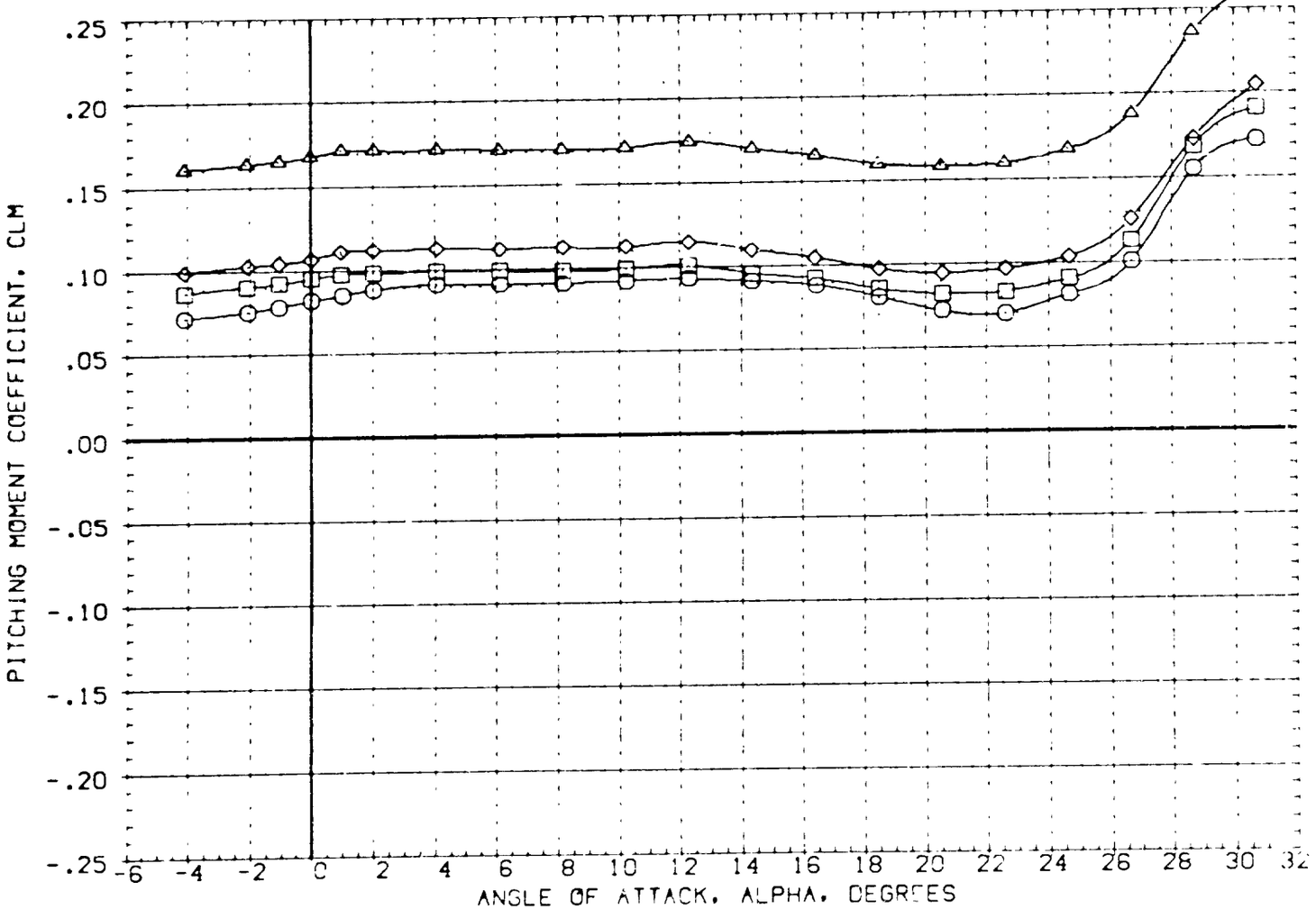



FIG 66 EFFECT OF RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | □ | CABG | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX223) | ◇ | CABG | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX228) | ⊠ | CABG | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX233) | △ | CABG | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| .000 | -12.000 | .000 | 40.000 |
| .000 | -12.000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .05 | SCALE |

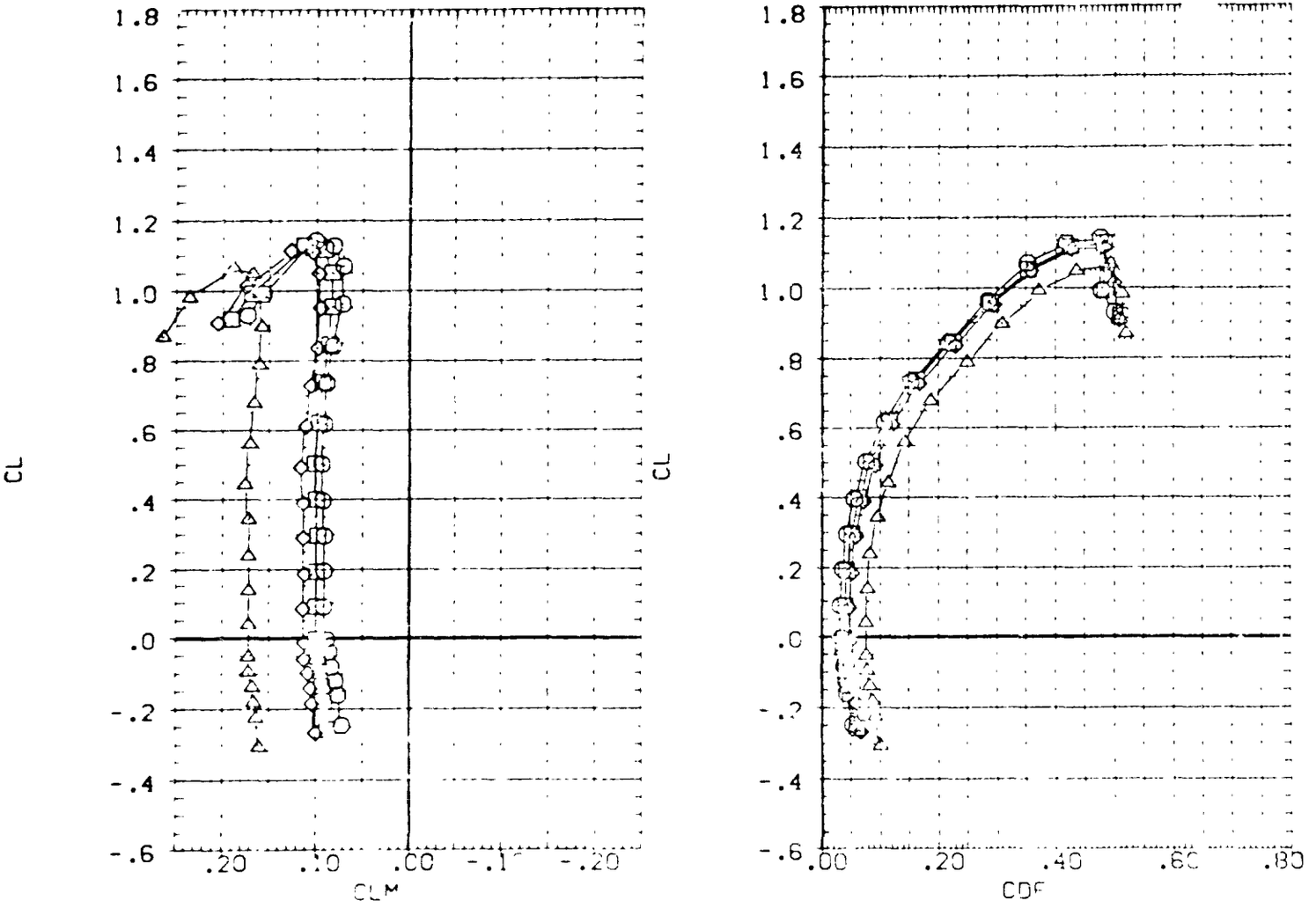



FIG 66 EFFECT OF RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

(A)MAC = .20

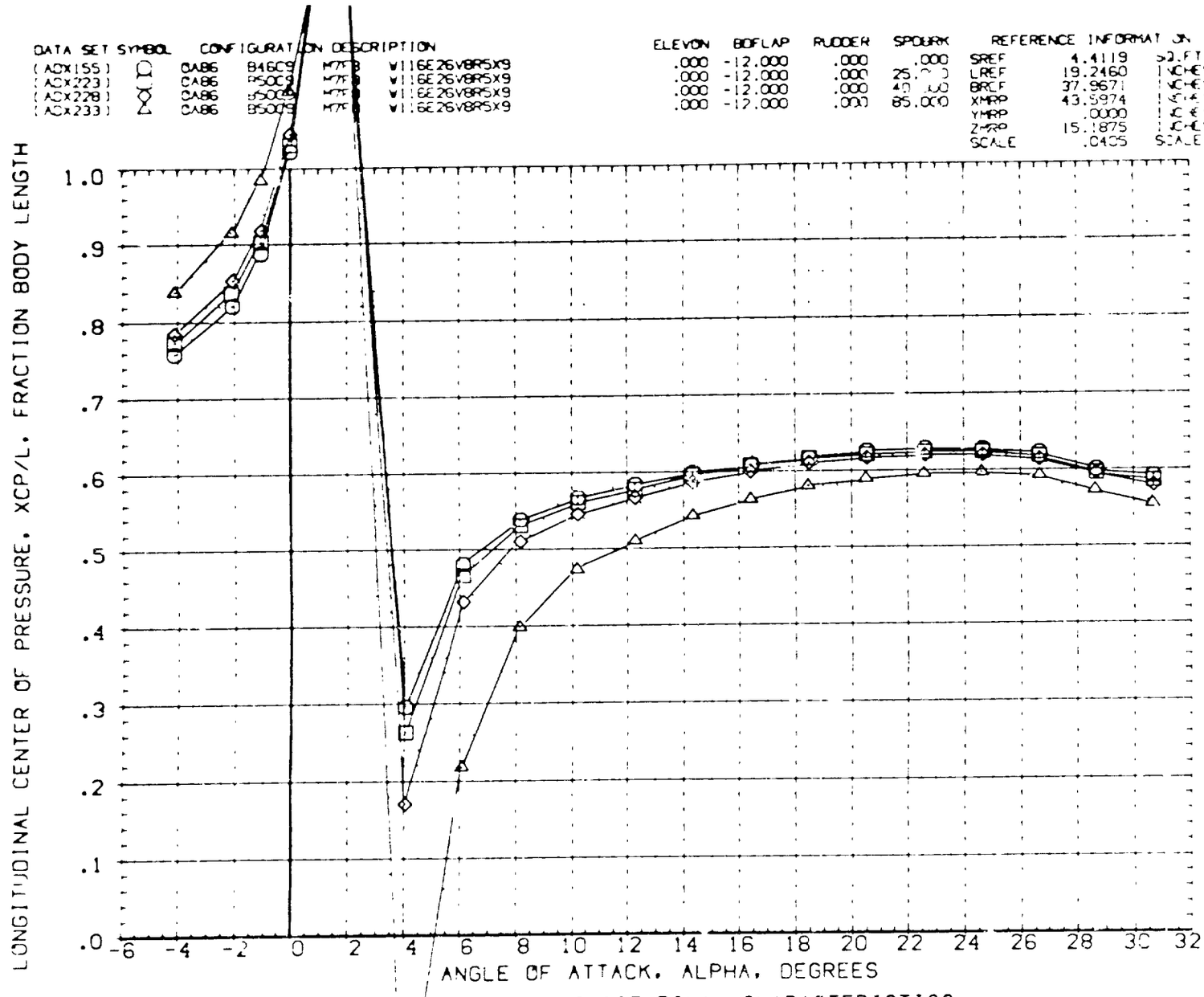



FIG 66 EFFECT OF RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX 55) | □ | 0A86 | B46C9 | M7F8 | W1I6E26VBR5X9 | .000 | -12.000 | .000 | .000 |
| (ADX223) | ◇ | 0A86 | B50C9 | M7F8 | W1I6E26VBR5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX228) | ⊠ | 0A86 | B50C9 | M7F8 | W1I6E26VBR5X9 | .000 | -12.000 | .000 | 40.000 |
| (ADX233) | △ | 0A86 | B50C9 | M7F8 | W1I6E26VBR5X9 | .000 | -12.000 | .000 | 95.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.119 | SQ.FT. |
| LREF | 19.460 | INCHES |
| BREF | 37.3671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

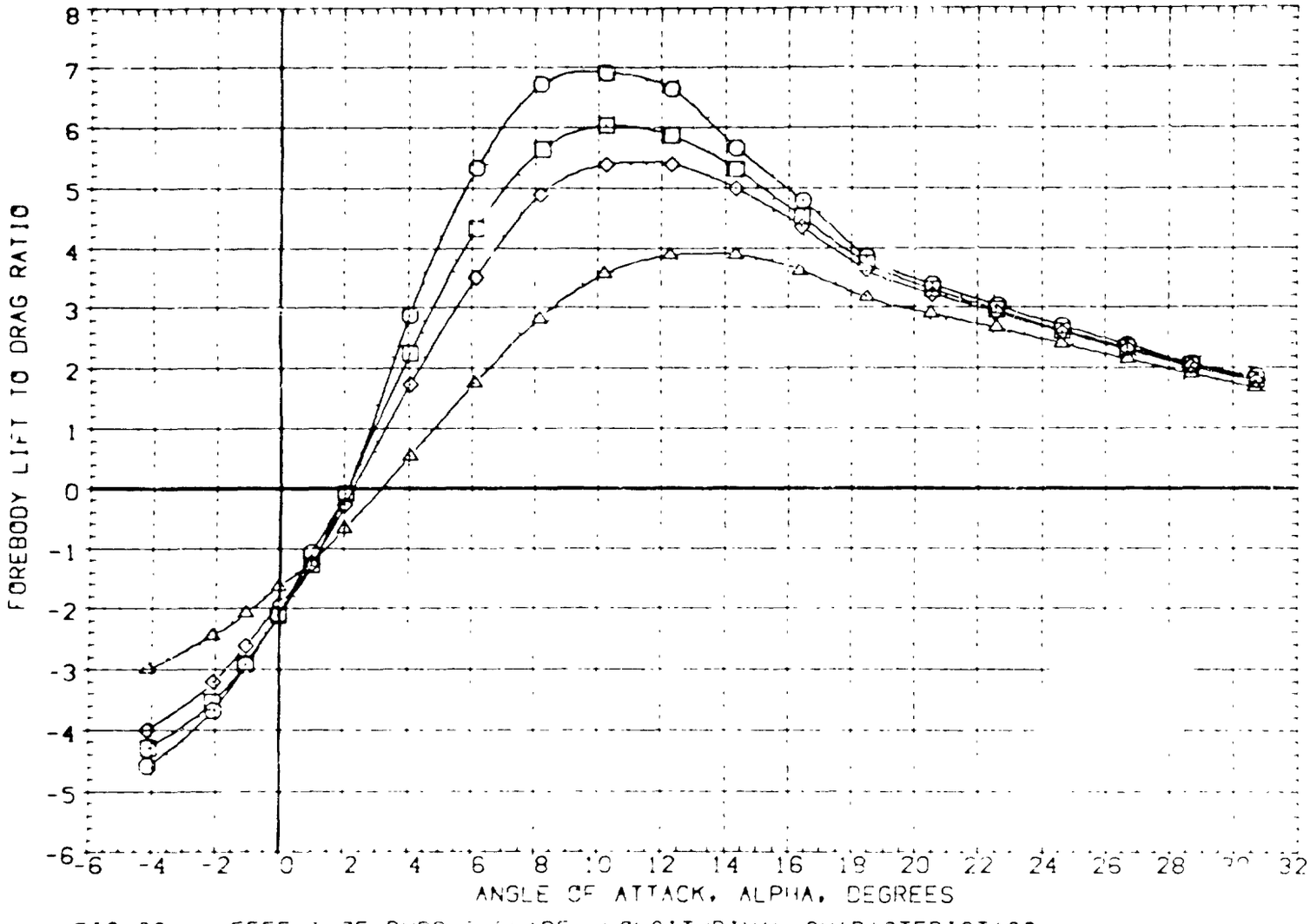



FIG 66 EFFECT OF RUDDER FLARE, LONGITUDINAL CHARACTERISTICS

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCx156) | ◻ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RCx224) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCx229) | ⊠ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RCx234) | △ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | CLEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | .000 | .000 | .000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 40.000 |
| .000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0425 | SCALE |

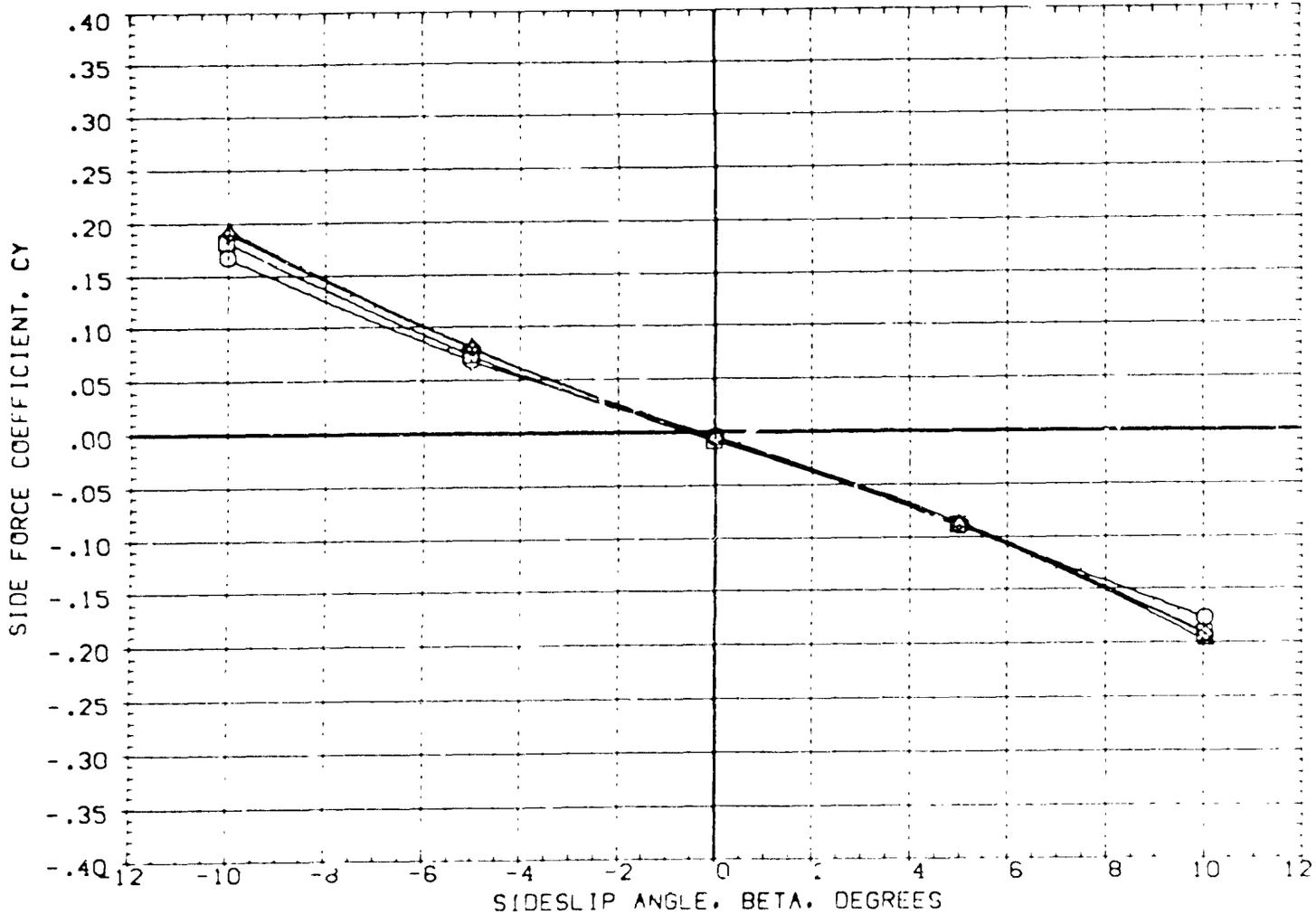



FIG 67 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

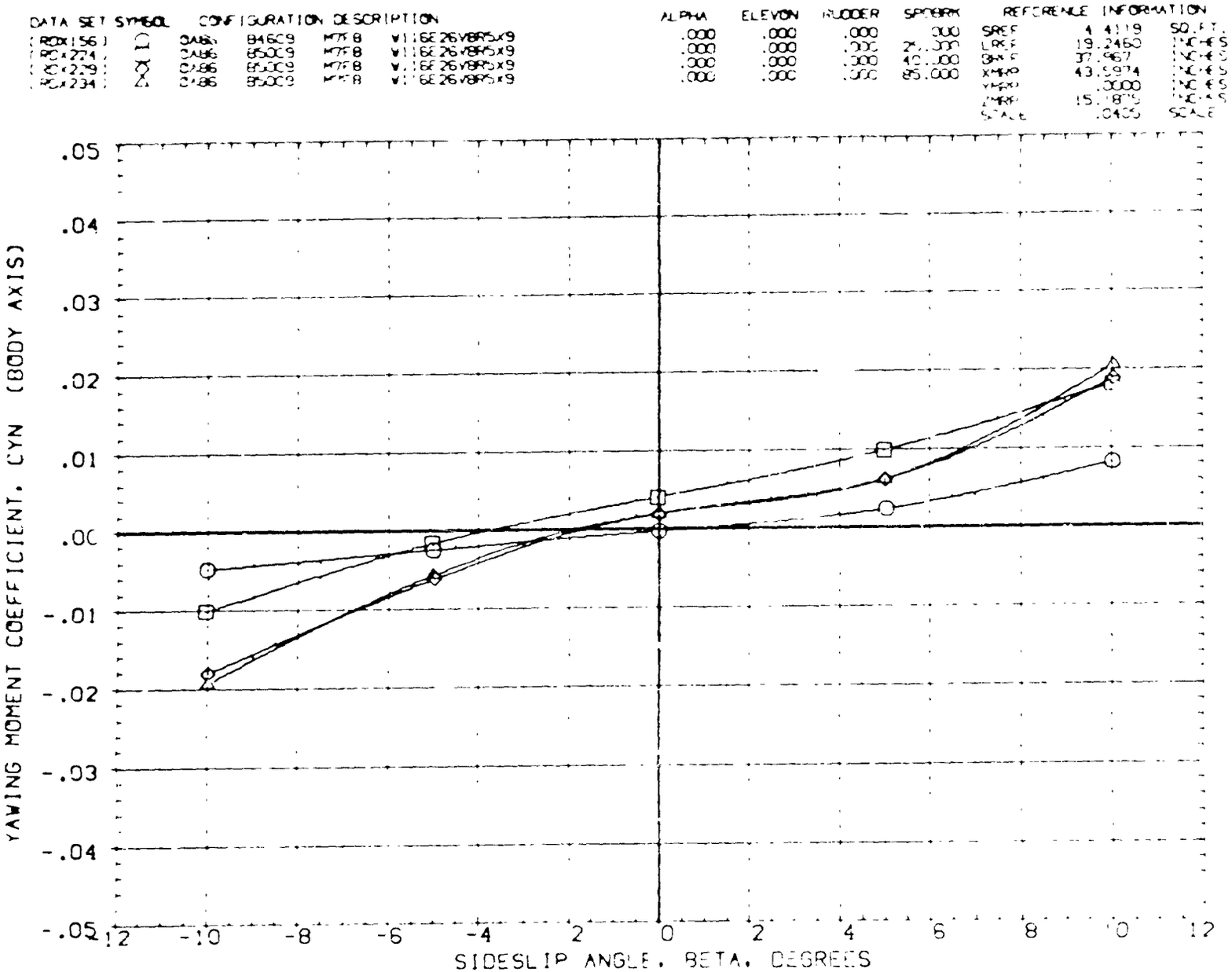



FIG 67 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MAC = .29

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX156) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ROX224) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX229) | ◇ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX234) | △ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | .000 | .000 | .000 |
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | .000 | 40.000 |
| .000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

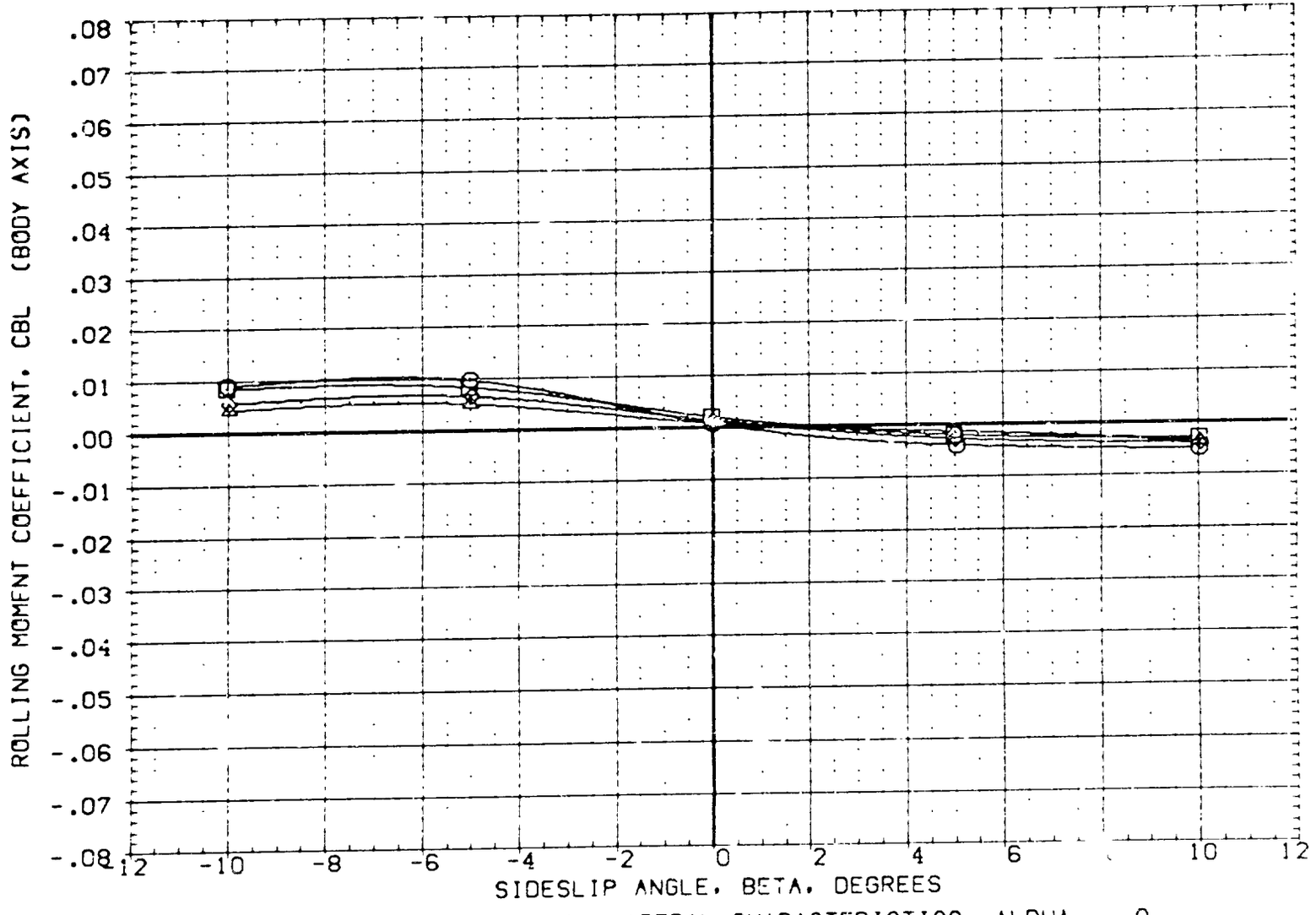



FIG 67 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 0

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RUN 157) | | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| RUN 225 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| RUN 230 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| RUN 235 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | .000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 40.000 |
| 5.000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT |
| LREF | 19.2460 | INCHES |
| BREF | 37.9677 | INCHES |
| XMRP | 43.5974 | INCHES |
| [illegible] | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

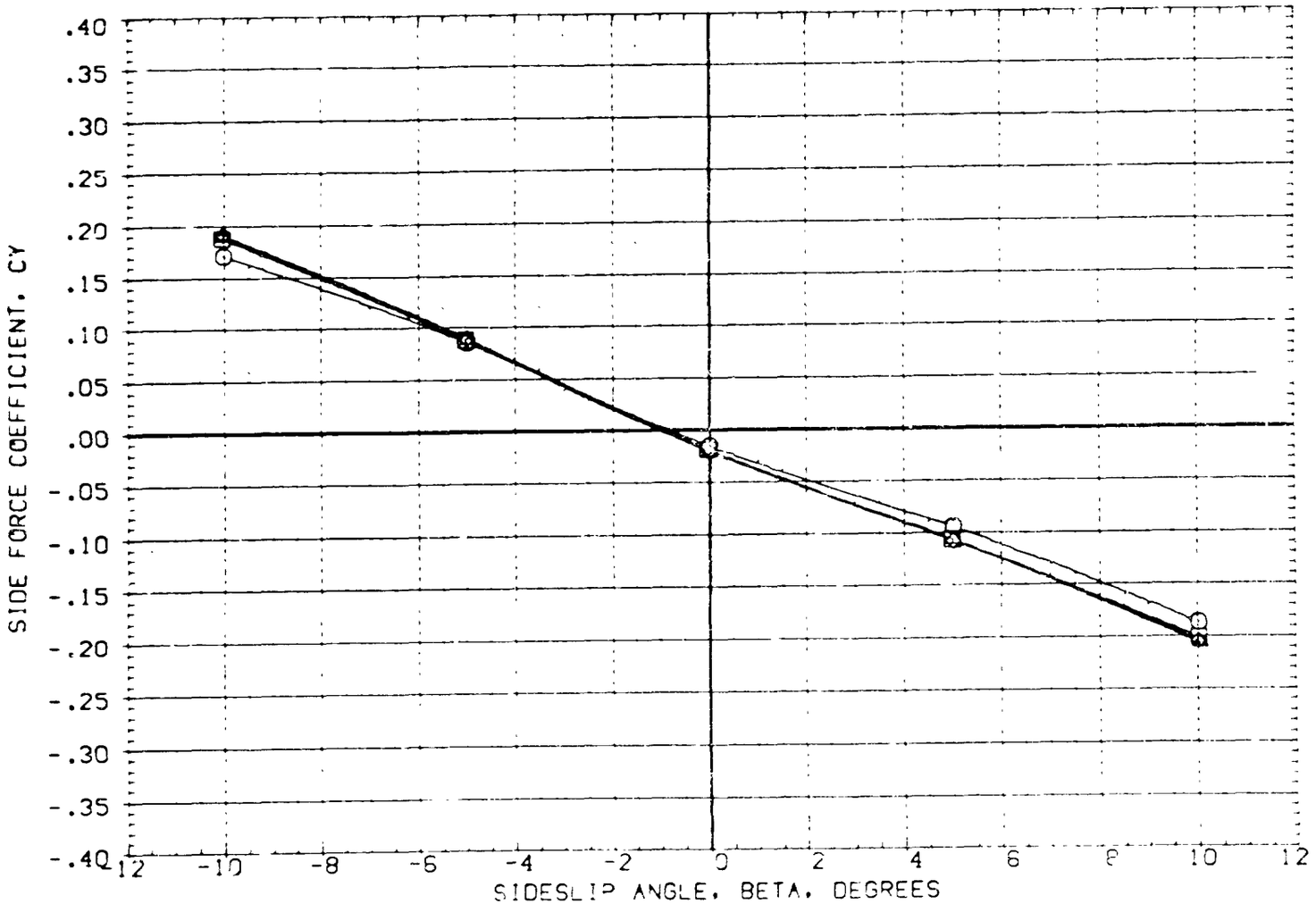



FIG 68 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ROX157) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ROX226) | ◇ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX230) | ⊠ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ROX235) | △ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 5.000 | .000 | .000 | .000 |
| 5.000 | .000 | .000 | 25.000 |
| 5.000 | .000 | .000 | 40.000 |
| 5.000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

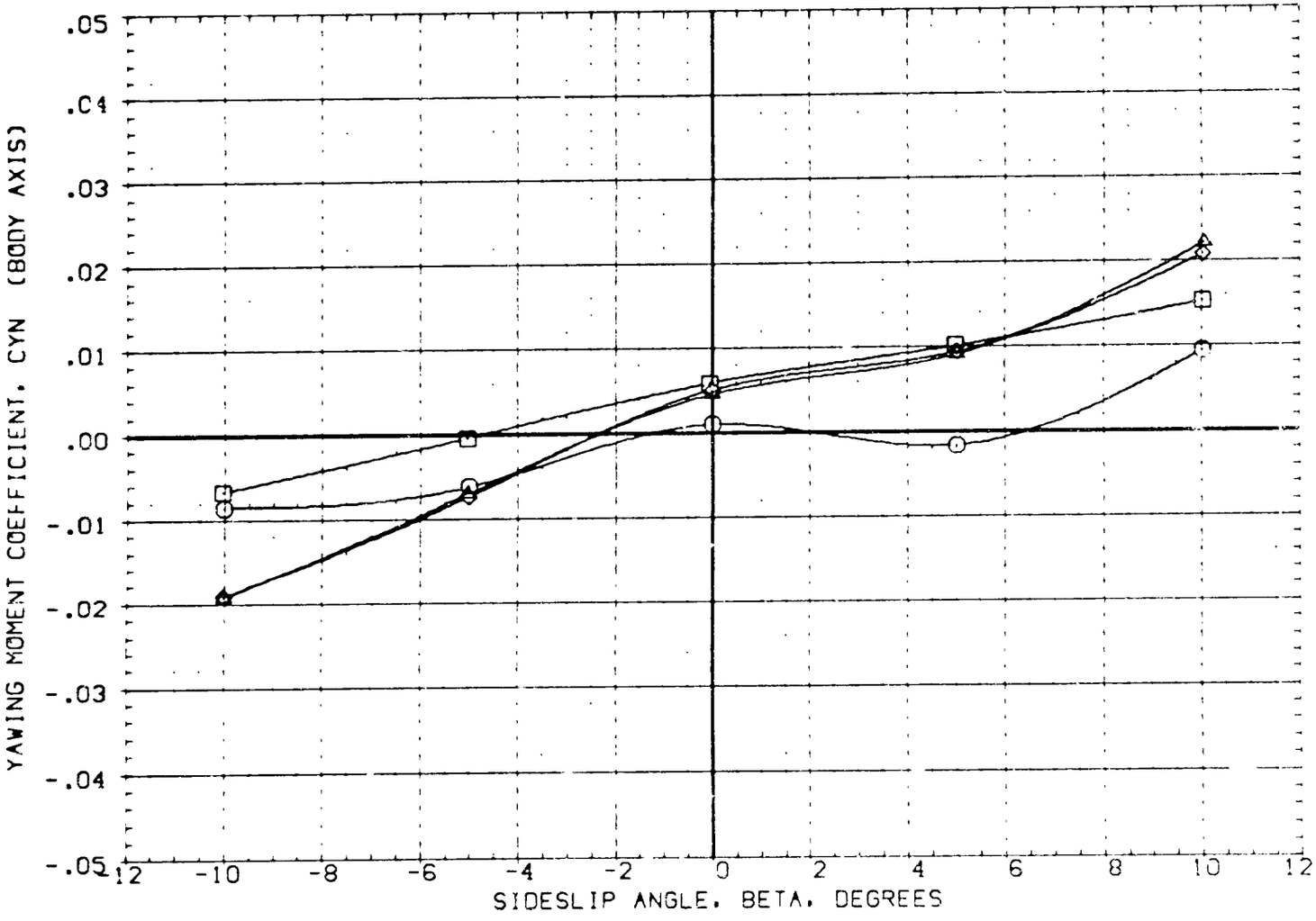



FIG 68 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

| DATA SL | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX157) | ○ | CA86 | 846C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | .000 |
| (RDX225) | □ | CA86 | 850C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 25.000 |
| (RDX230) | ⊗ | CA86 | 950C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 40.000 |
| (RDX235) | △ | CA86 | 850C9 | M7F8 | W116E26V8R5X9 | 5.000 | .000 | .000 | 85.000 |

| REFEPENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

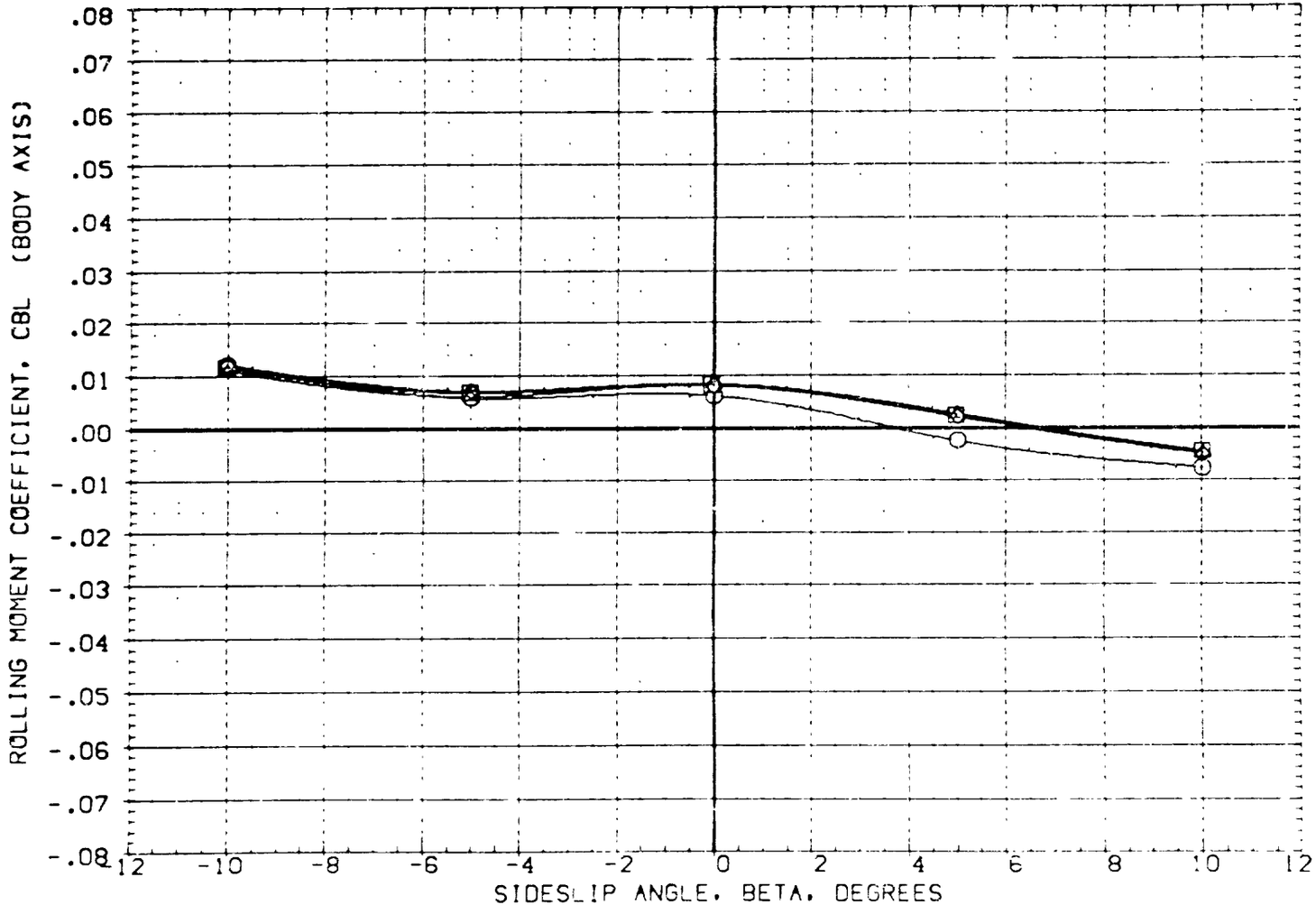



FIG 68 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX158) | □ | 0A86 | B46C9 | M7F8 | W11BE26V8R5X9 |
| (RDX226) | ◇ | 0A86 | B50C9 | M7F8 | W11BE26V8R5X9 |
| (RDX231) | ⋈ | 0A86 | B50C9 | M7F8 | W11BE26V8R5X9 |
| (RDX236) | △ | 0A86 | B50C9 | M7F8 | W11BE26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | .000 |
| 10.000 | .000 | .000 | 25.000 |
| 10.000 | .000 | .000 | 40.000 |
| 10.000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

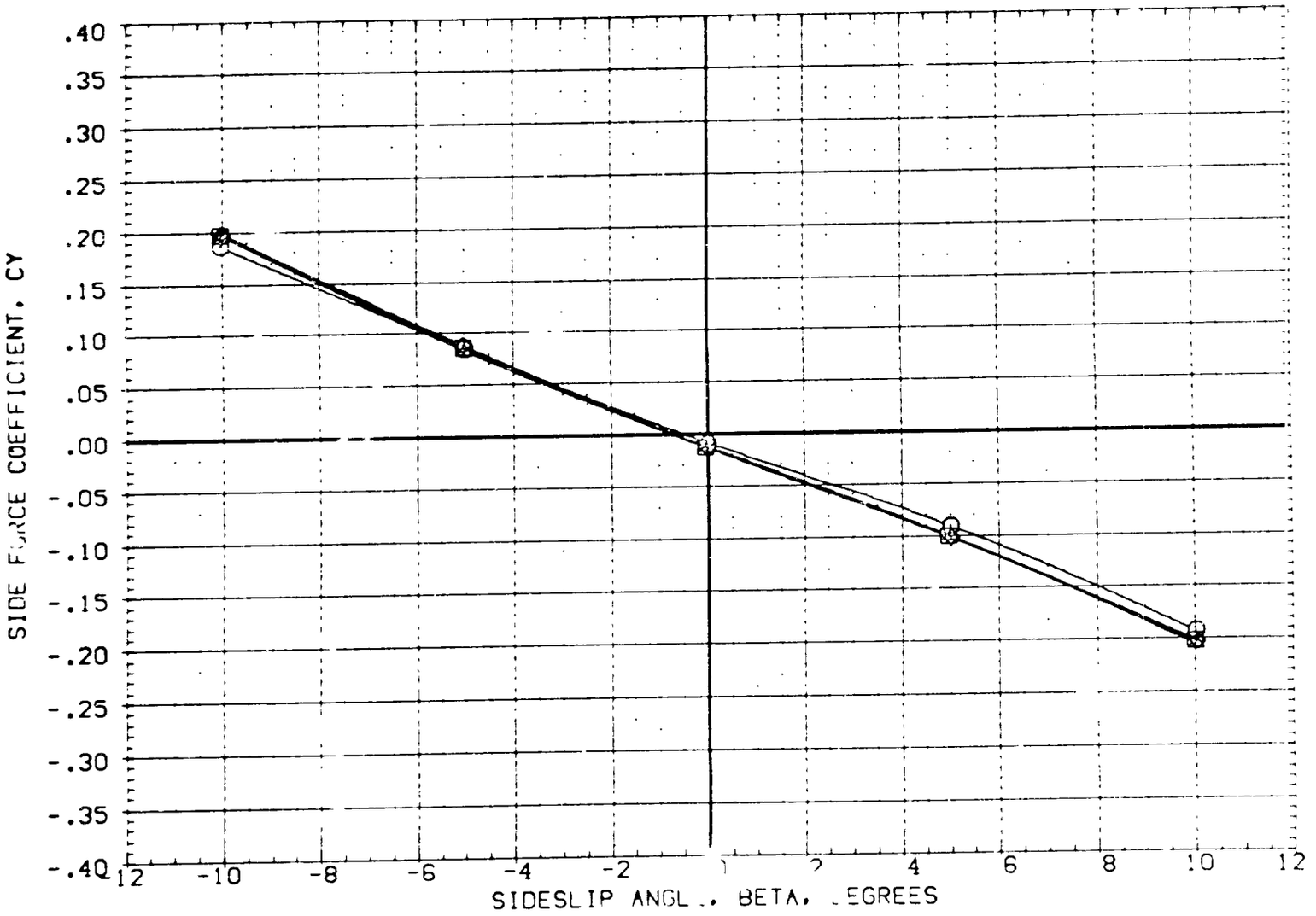



FIG 69 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX158) | □ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | .000 |
| (RDX226) | ◇□ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX23.) | ⊠ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 40.000 |
| (RDX236) | △ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

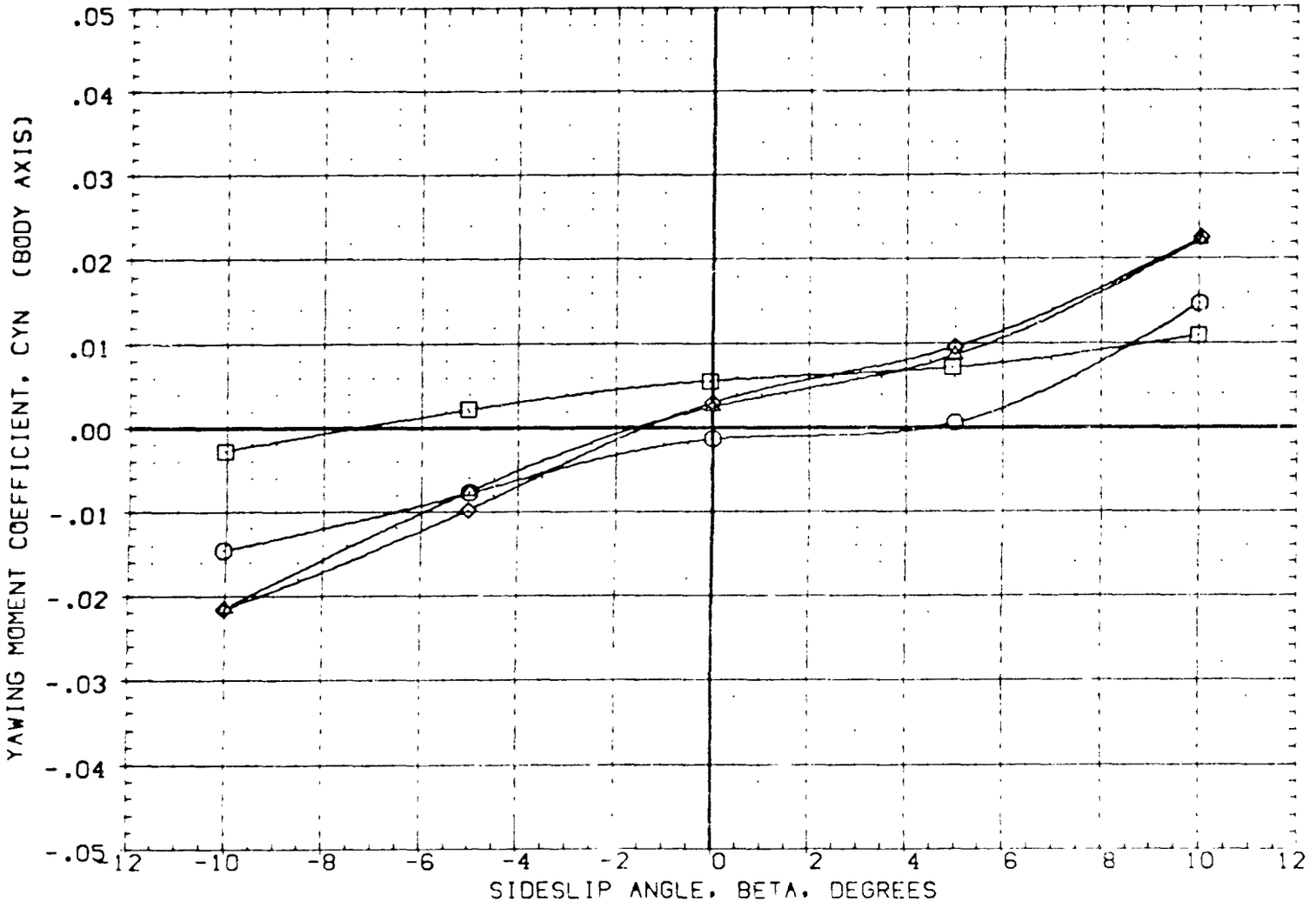



FIG 69 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX158) | □ | 0A86 | B46C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | .000 |
| (RDX226) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 25.000 |
| (RDX231) | ◇ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 40.000 |
| (RDX236) | △ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 | 10.000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

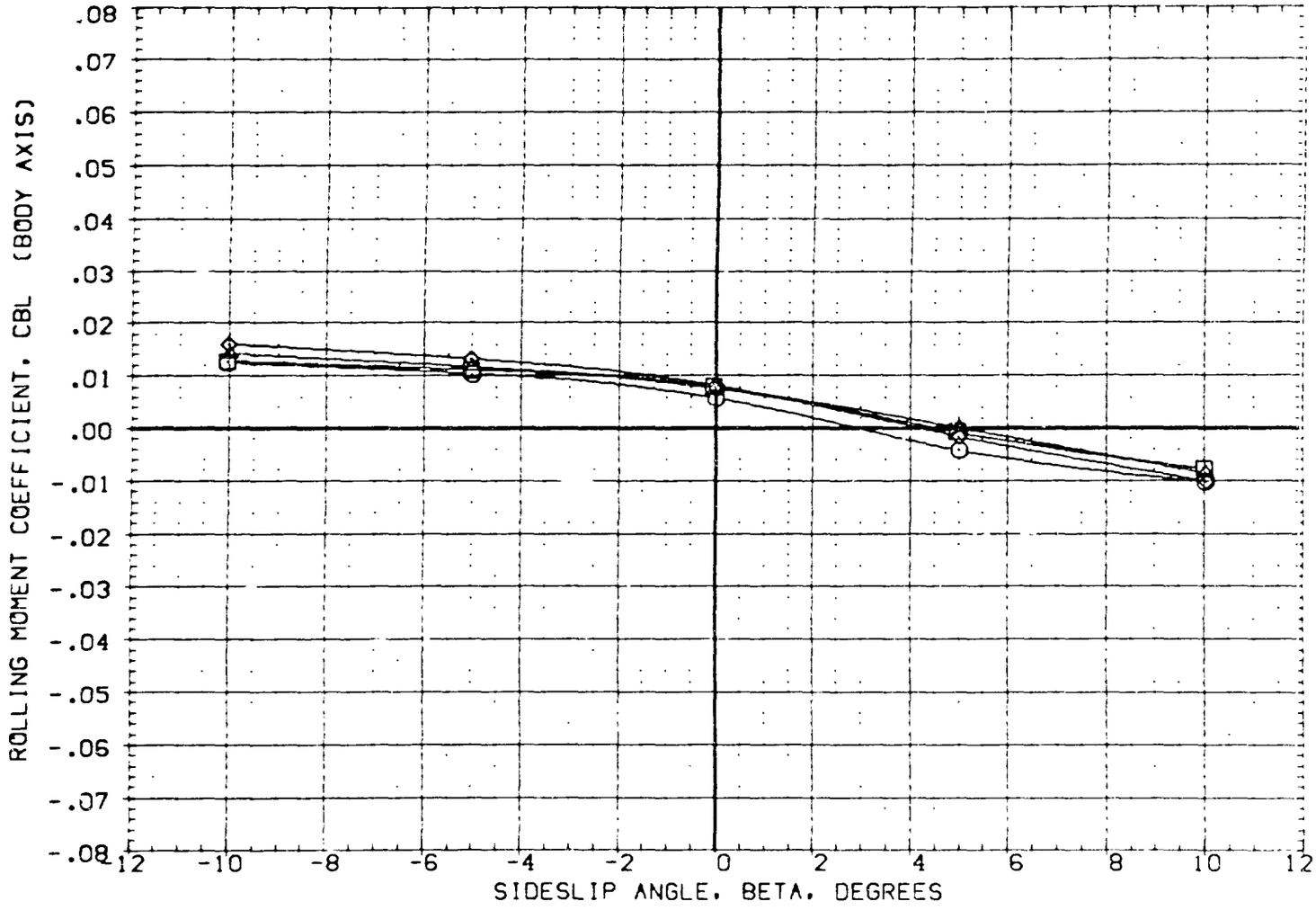



FIG 69 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 10

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| RUN 159. | □ | OA86 | 94SC9 | M7F8 | W1.6E26/88R5/9 |
| RUN 227. | ○ | OA86 | 95OC9 | M7F8 | W1.6E26/88R5/9 |
| RUN 232. | ◇ | OA86 | 95OC9 | M7F8 | W1.6E26/88R5/9 |
| RUN 237. | △ | OA86 | 95OC9 | M7F8 | W1.6E26/88R5/9 |

| ALPHA | ELEVON | RUDDER | SPOIL | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|
| 15.000 | .000 | .000 | .000 | SREF | 4.41.9 | SQ.FT. |
| 15.000 | .000 | .000 | 25.000 | BREF | .9 2460 | INCHES |
| 15.000 | .000 | .000 | 40.000 | CREF | 37.9567 | INCHES |
| 15.000 | .000 | .000 | 85.000 | XMRC | 43.9974 | INCHES |
| | | | | YMRC | .0000 | INCHES |
| | | | | ZMRC | 5.8775 | INCHES |
| | | | | SCALE | .0435 | SCALE |

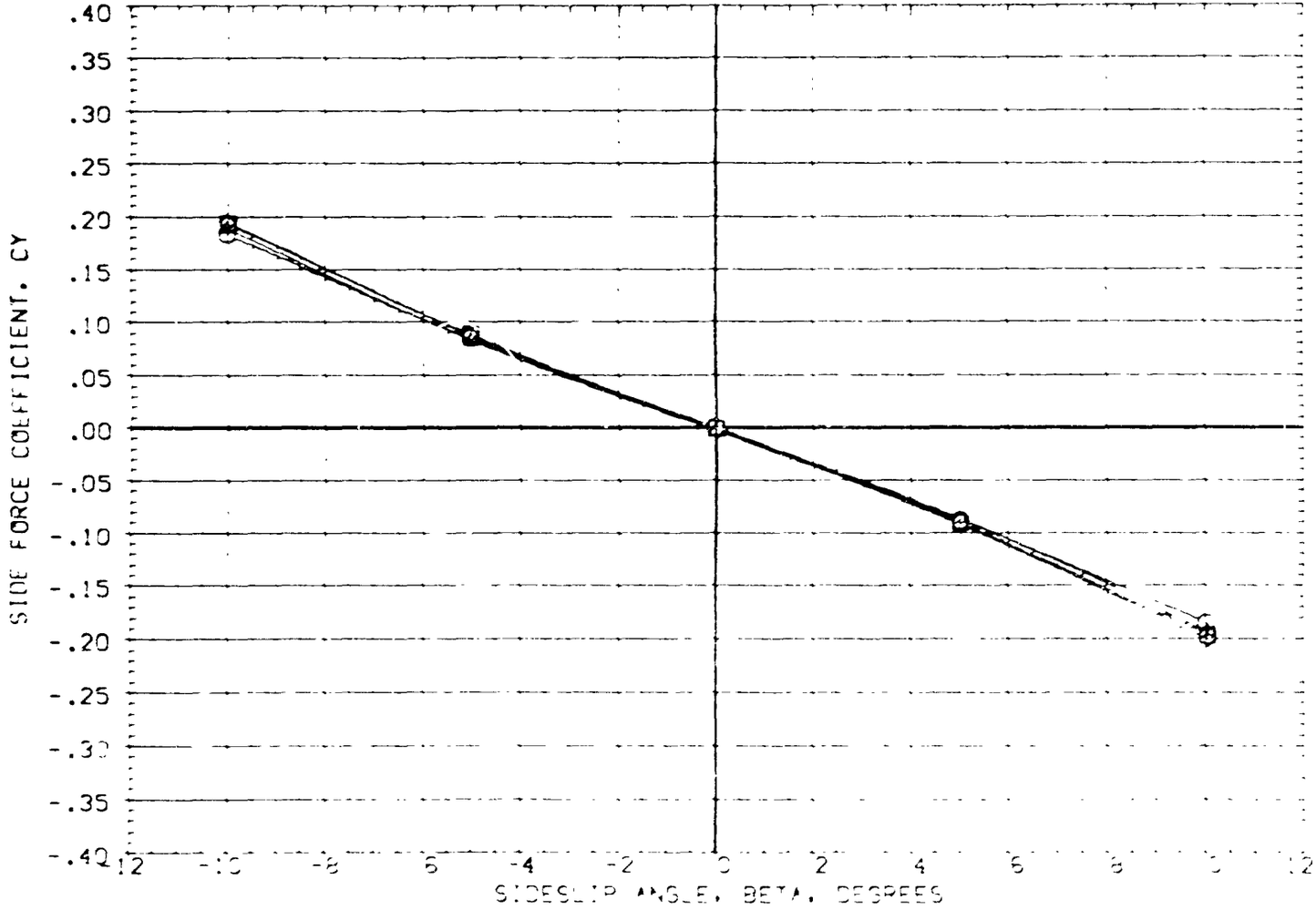



FIG 70 EFFECT OF RUDDER PLANE, LATERAL CHARACTERISTICS, ALPHA = 15

CA,MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDx159) | ◻ | OA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (RDx227) | ◇ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDx232) | ⋈ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (RDx237) | △ | OA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | .000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 40.000 |
| 15.000 | .000 | .000 | 85.00 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

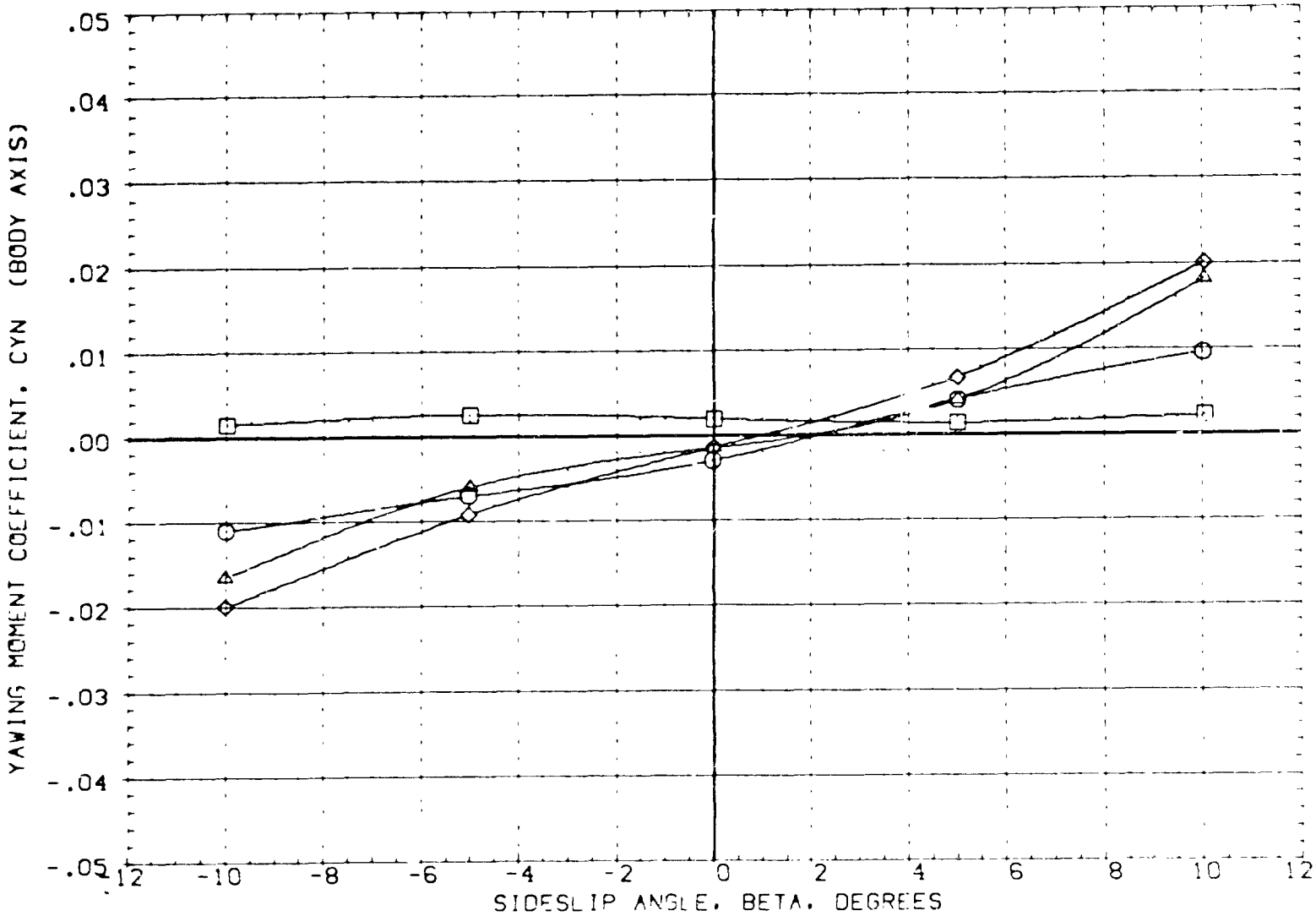



FIG 70 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RUN159) | □ | 0A86 | B46C9 | M**8 | W1|6E26V8R5X9 |
| (RUN227) | ◇ | 0A86 | B50C9 | M**8 | W1|6E26V8R5X9 |
| (RUN232) | △ | 0A86 | B50C9 | M**8 | W1|6E26V8R5X9 |
| (RUN237) | ⊠ | 0A86 | B50C9 | M**8 | W1|6E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 15.000 | .000 | .000 | .000 |
| 15.000 | .000 | .000 | 25.000 |
| 15.000 | .000 | .000 | 40.000 |
| 15.000 | .000 | .000 | 85.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.1119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

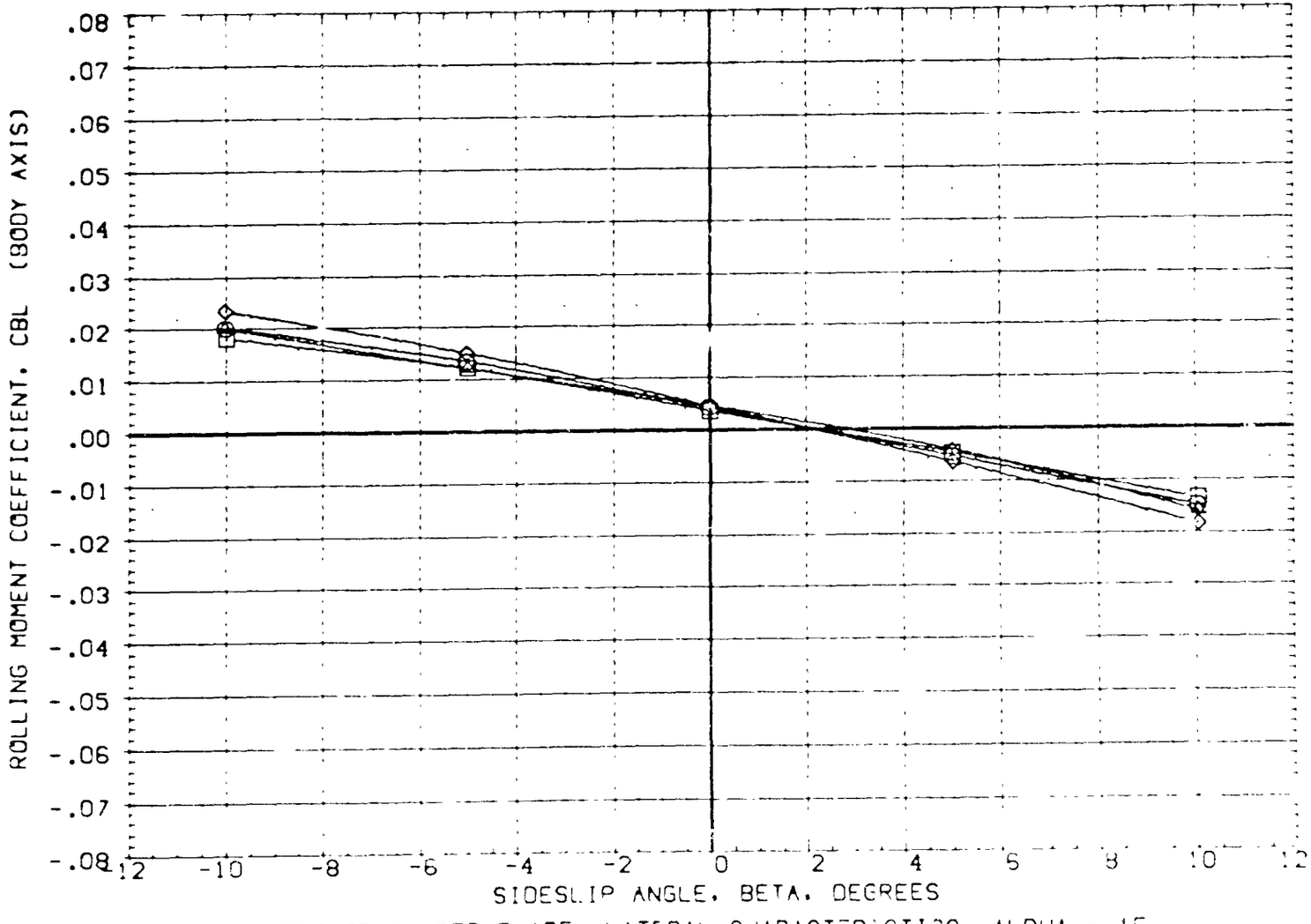



FIG 70 EFFECT OF RUDDER FLARE, LATERAL CHARACTERISTICS, ALPHA = 15

(A)MACH = .20

PAGE

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX155) | □ | CAF | B45C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | .000 |
| (ADX196) | △ | CA86 | B45C9 | M7F8 | W1I6E26V8R5X9 | 5.000 | -12.000 | .000 | .000 |
| (ADX207) | ⊠ | CA86 | B50C9 | M7F8 | W1I6E26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX206) | ⧖ | CA86 | B50C9 | M7F8 | W1I6E26V8R5X9 | 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9657 | INCHES |
| XMRP | 43.5934 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1815 | INCHES |
| SCALE | .0405 | SCALE |

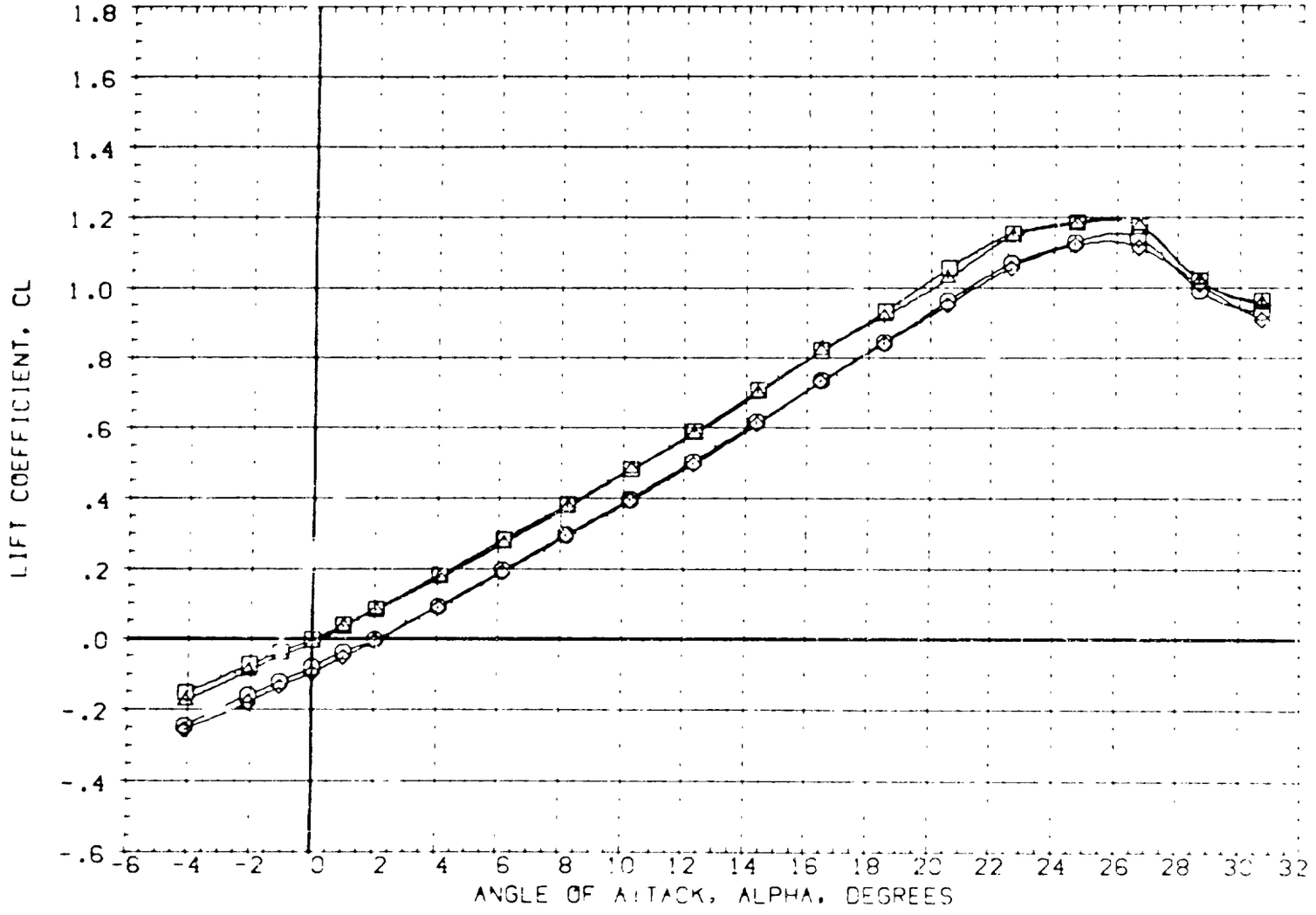



FIG 71 EFFECT OF RUDDER FLARE, ELEVON DEFLECTED +5 DEG, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | □ | OA86 | B46C9 | M7F8 | W116E26VBR5X9 |
| (ADX196) | ◇ | OA86 | B46C9 | M7F8 | W116E26VBR5X9 |
| (ADX207) | ⊠ | OA86 | B50C9 | M7F8 | W116E26VBR5X9 |
| (ADX206) | | OA86 | B50C9 | M7F8 | W116E26VBR5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| 5.000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .2405 | SCALE |

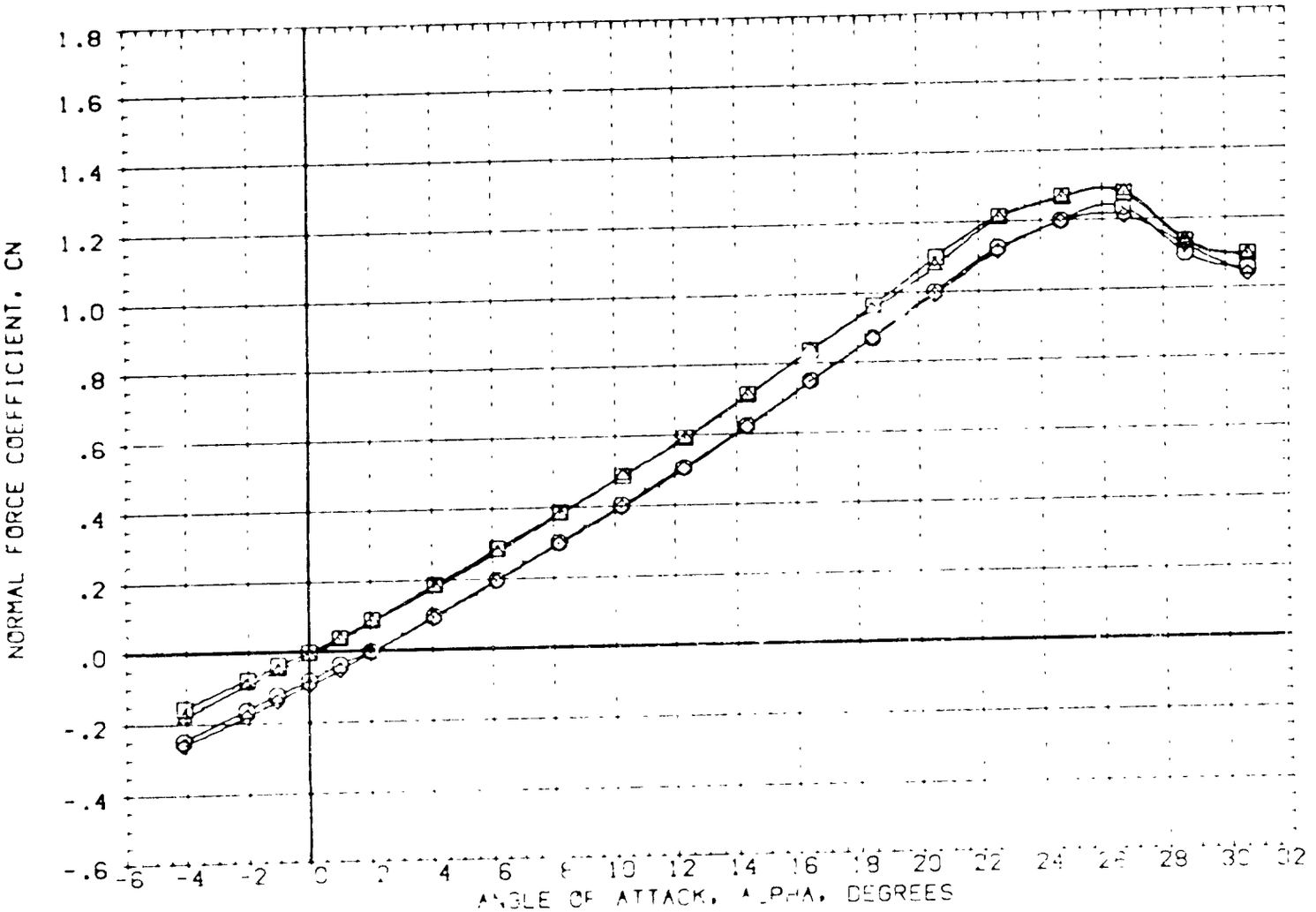



FIG 7: EFFECT OF RUDDER FLARE, ELEVON DEFLECTED -5 DEG, LONGITUDINAL CH

(A)MACH = .2




FIG 21 EFFECT OF RUDDER FLAP

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| A2X155 | □ | 0A8F | 846C9 | M78 | W1E6E26V8R5X9 |
| A2X196 | △ | 3A8F | 846C9 | M78 | W1E6E26V8R5X9 |
| A2X207 | ▽ | 0A8F | R5CC9 | M78 | W1E6E26V8R5X9 |
| A2X106 | ◇ | 0A8F | 9FXC9 | M78 | W1E6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| 5.000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1805 | INCHES |
| SCALE | .0400 | SCALE |

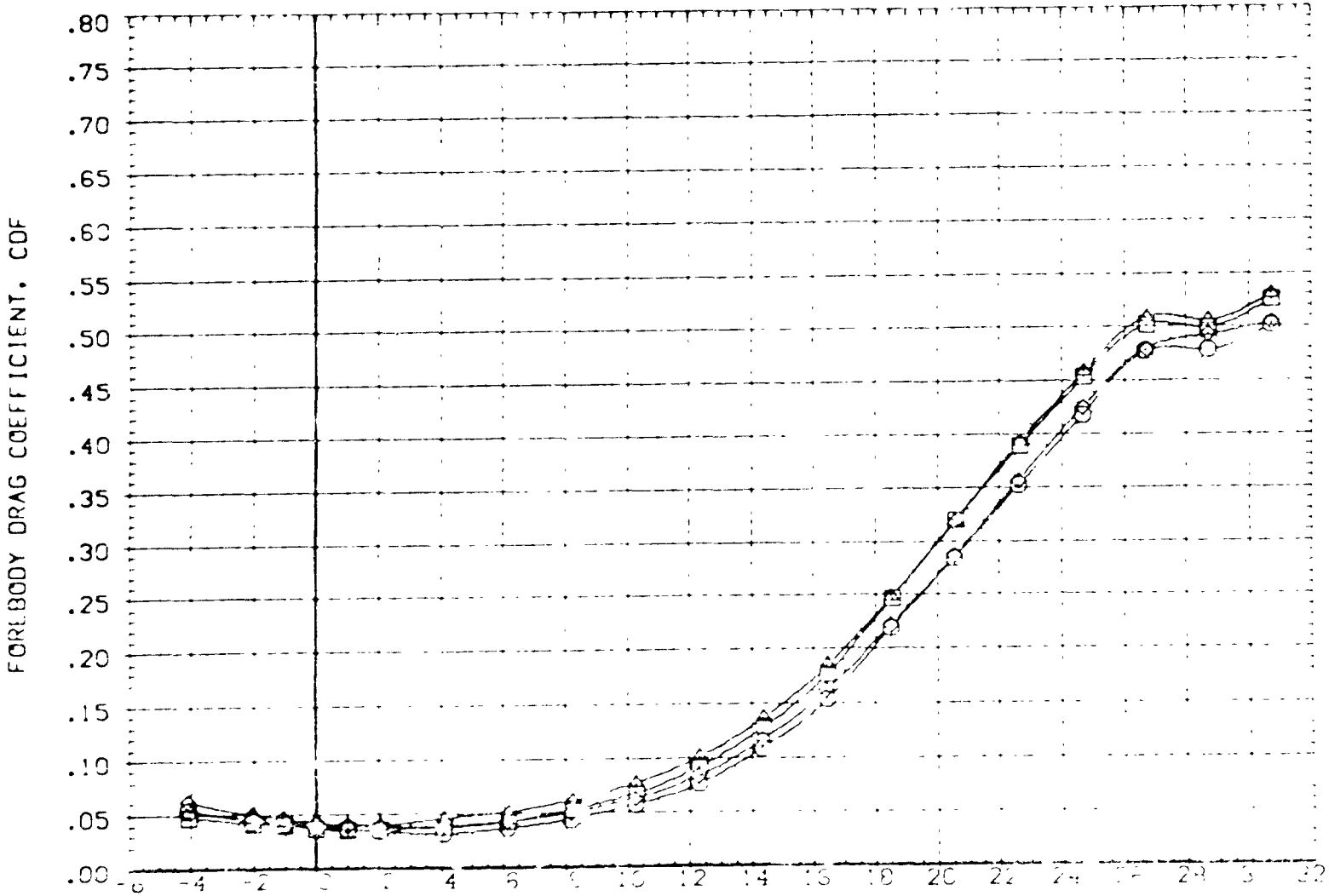



FIG 7 EFFECT OF BODY FLAP, ELEVON DEFLECTION FOR DEG, LONGITUDINAL

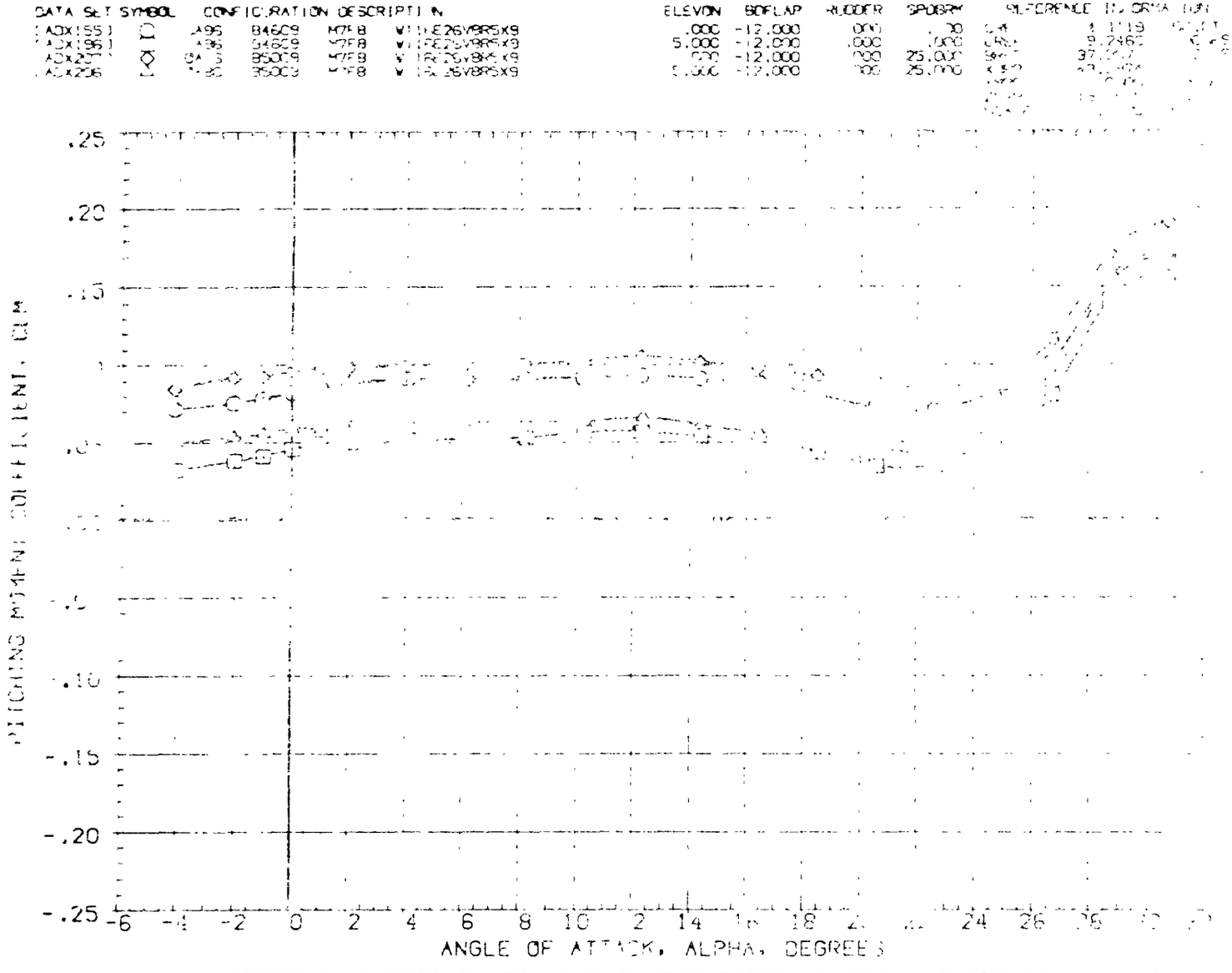



FIG 71 EFFECT OF RUDDER FLARE, ELEVON DEFLECTED +5 DEG LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | ○ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX196) | □ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX207) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX206) | △ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| 5.000 | -12.000 | .000 | .000 |
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

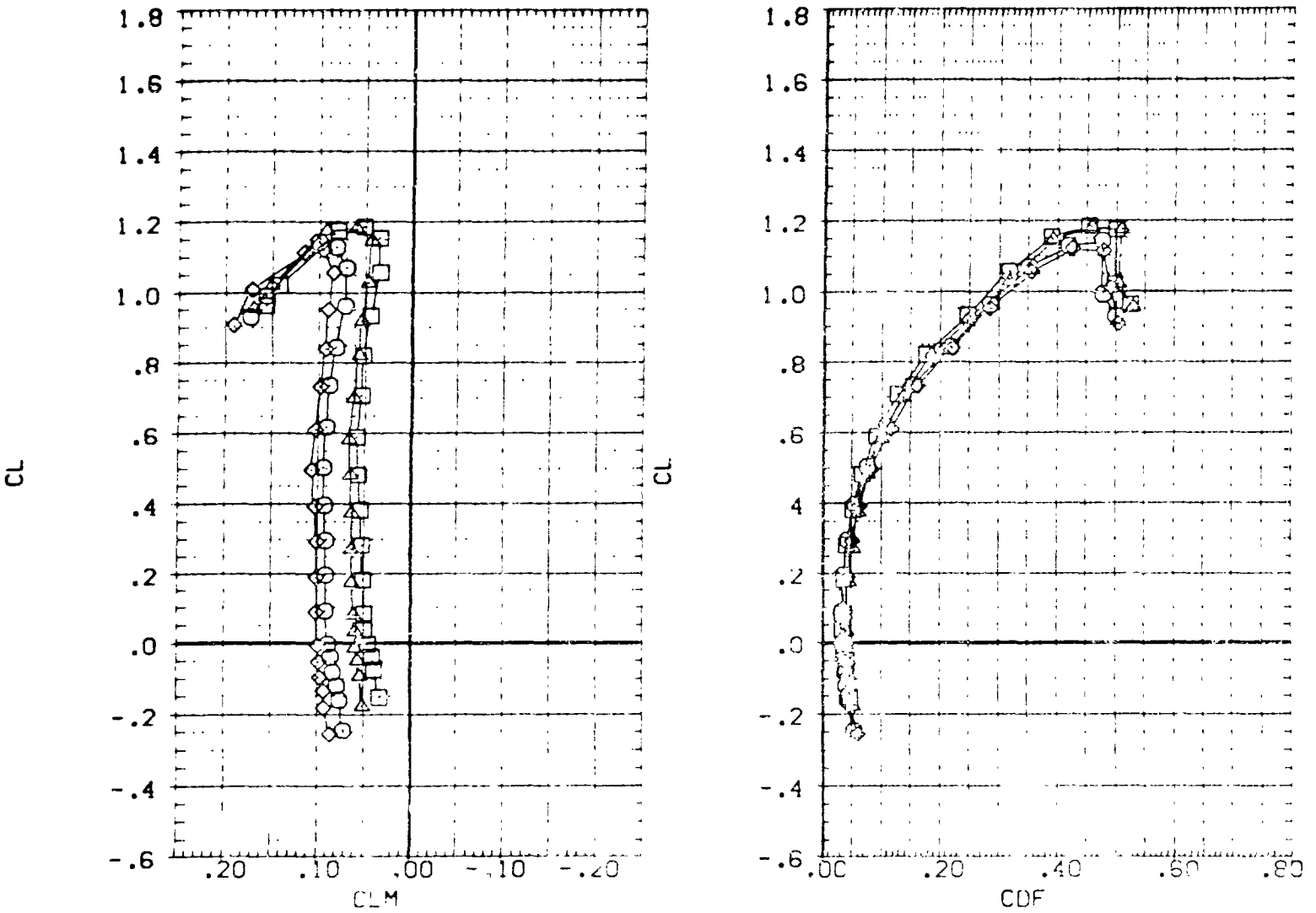



FIG 71 EFFECT OF RUDDER FLARE, ELEVON DEFLECTED +5 DEG, LONGITUDINAL CHAR.

(A)MACH = .20

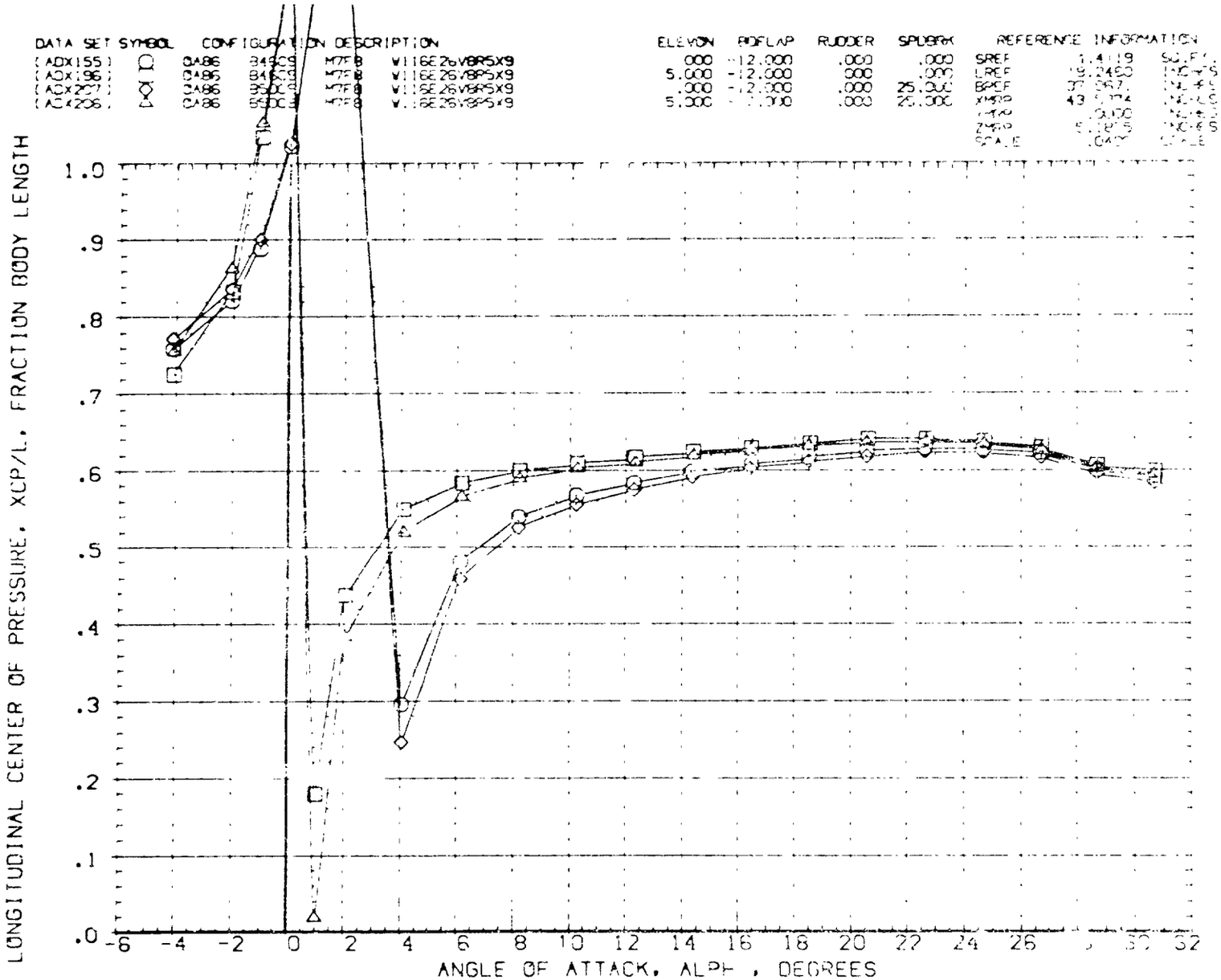



FIG 71 EFFECT OF RUDDER FLARE, ELEVON DEFLECTED +5 DEG, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX155) | □ | CA86 | B46C9 | M7F9 | W116E26V8R5X9 |
| (ADX196) | ○ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 |
| (ADX207) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX206) | △ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | .000 |
| 5.000 | -12.000 | .000 | .000 |
| .000 | -2.000 | .000 | 25.000 |
| 5.000 | -2.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15..875 | INCHES |
| SCALE | .0405 | SCALE |

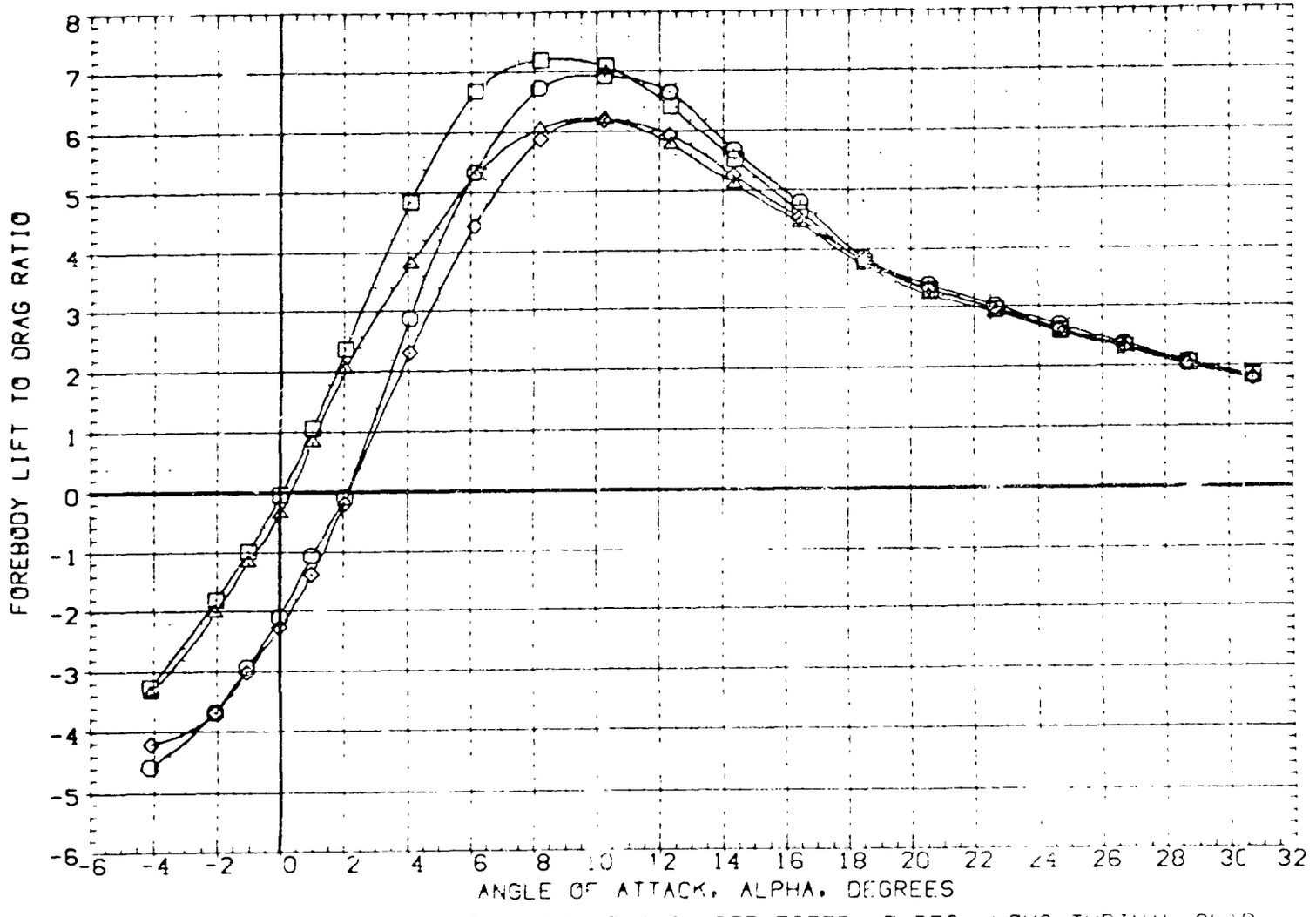



FIG 71 EFFECT OF RUDDER FLARE, ELEVON DEFLECTED +5 DEG, LONGITUDINAL CHAR.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDx197) | □ | CA86 | B46C9 | M7F8 | W1 |
| (RDx198) | | CA86 | B46C9 | M7F8 | W1 |
| (RDx199) | ◇ | CA86 | B46C9 | M7F8 | W1 |
| (RDx200) | △ | CA86 | B46C9 | M7F8 | W1 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | .000 |
| 5.000 | 5.000 | .000 | .000 |
| 10.000 | 5.000 | .000 | .000 |
| 15.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9657 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .000 | INCHES |
| ZMRP | 15.8735 | INCHES |
| SCALE | .0405 | SCALE |

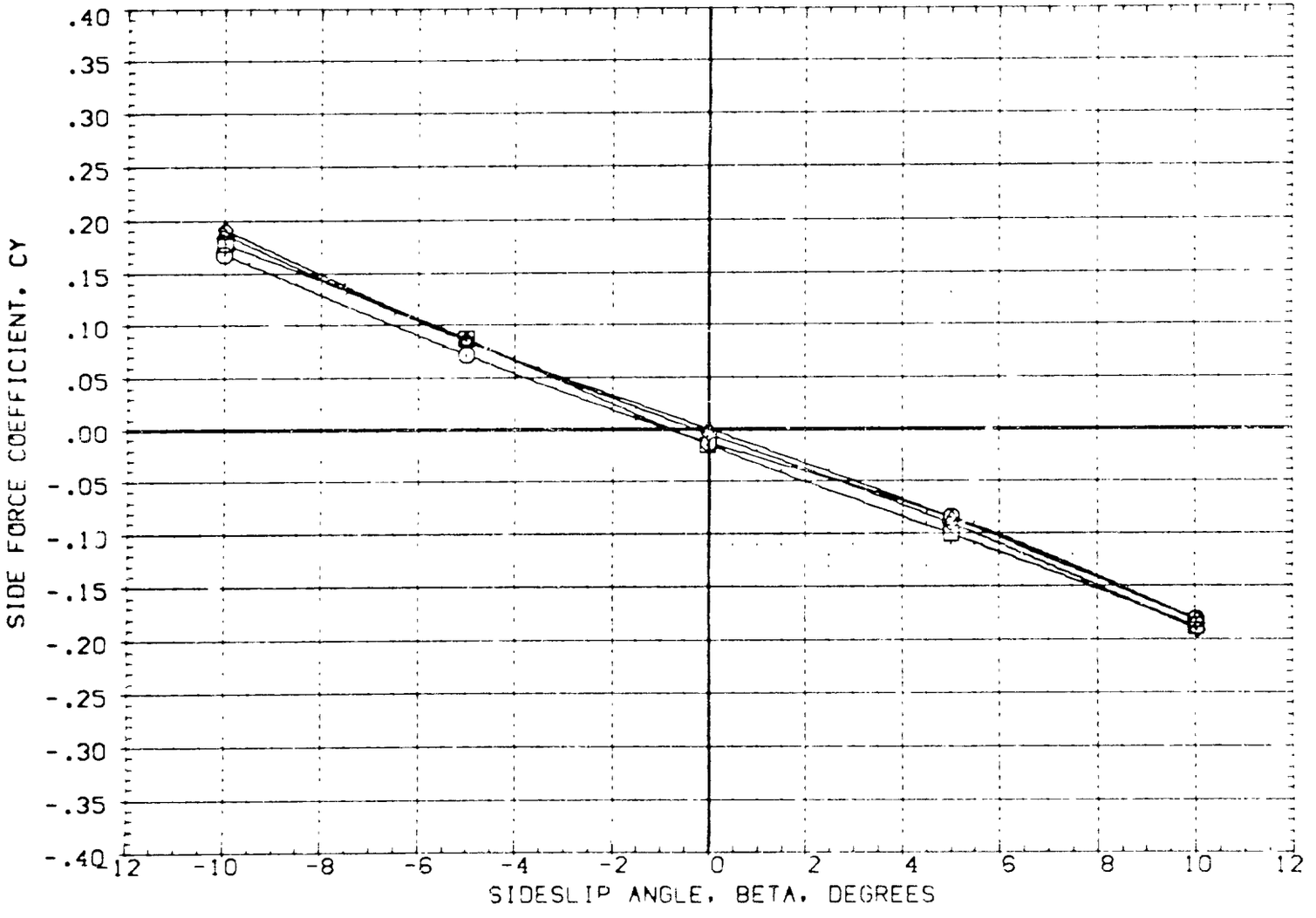



FIG 72 EFFECT OF ANGLE OF ATTACK ON 0 DEG RUDDER FLARE, ELEVON DEFLECTED +5

(A) MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| RUN(197) | □ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |
| RUN(198) | ◇ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |
| RUN(199) | ⊠ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |
| RUN(200) | △ | 0A86 | B45C9 | M7F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | 5.000 | .000 | .000 |
| 5.000 | 5.000 | .000 | .000 |
| 10.000 | 5.000 | .000 | .000 |
| 15.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

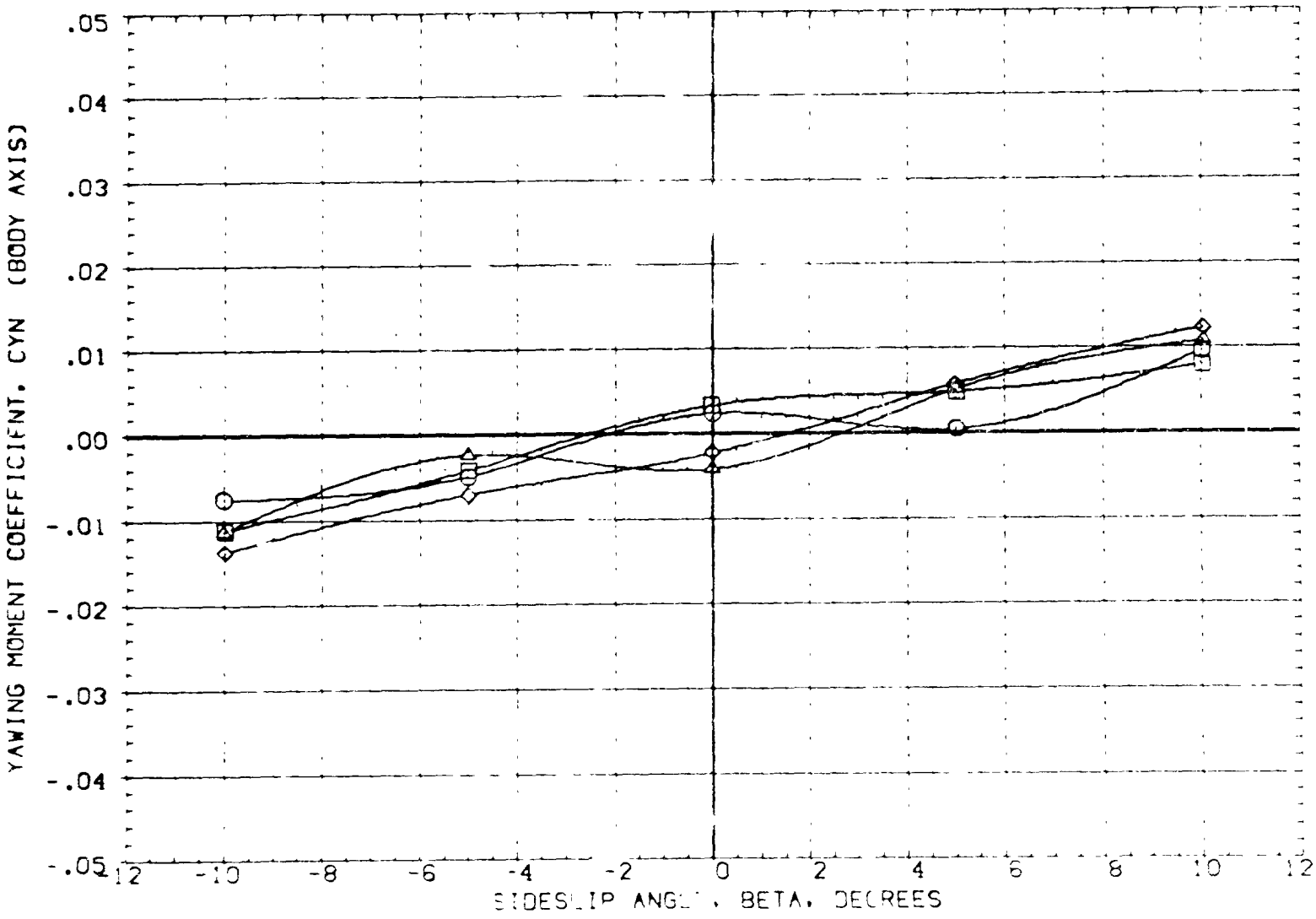



FIG 72 EFFECT OF ANGLE OF ATTACK ON C DEG RUDDER FLARE, ELEVON DEFLECTION

MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ROX197) | □ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 | .000 | 5.000 | .000 | .000 |
| (ROX198) | ○ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 | 5.000 | 5.000 | .000 | .000 |
| (ROX199) | ◇ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 | 10.000 | 5.000 | .000 | .000 |
| (ROX200) | △ | CA86 | B46C9 | M7F8 | W116E26V8R5X9 | 15.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

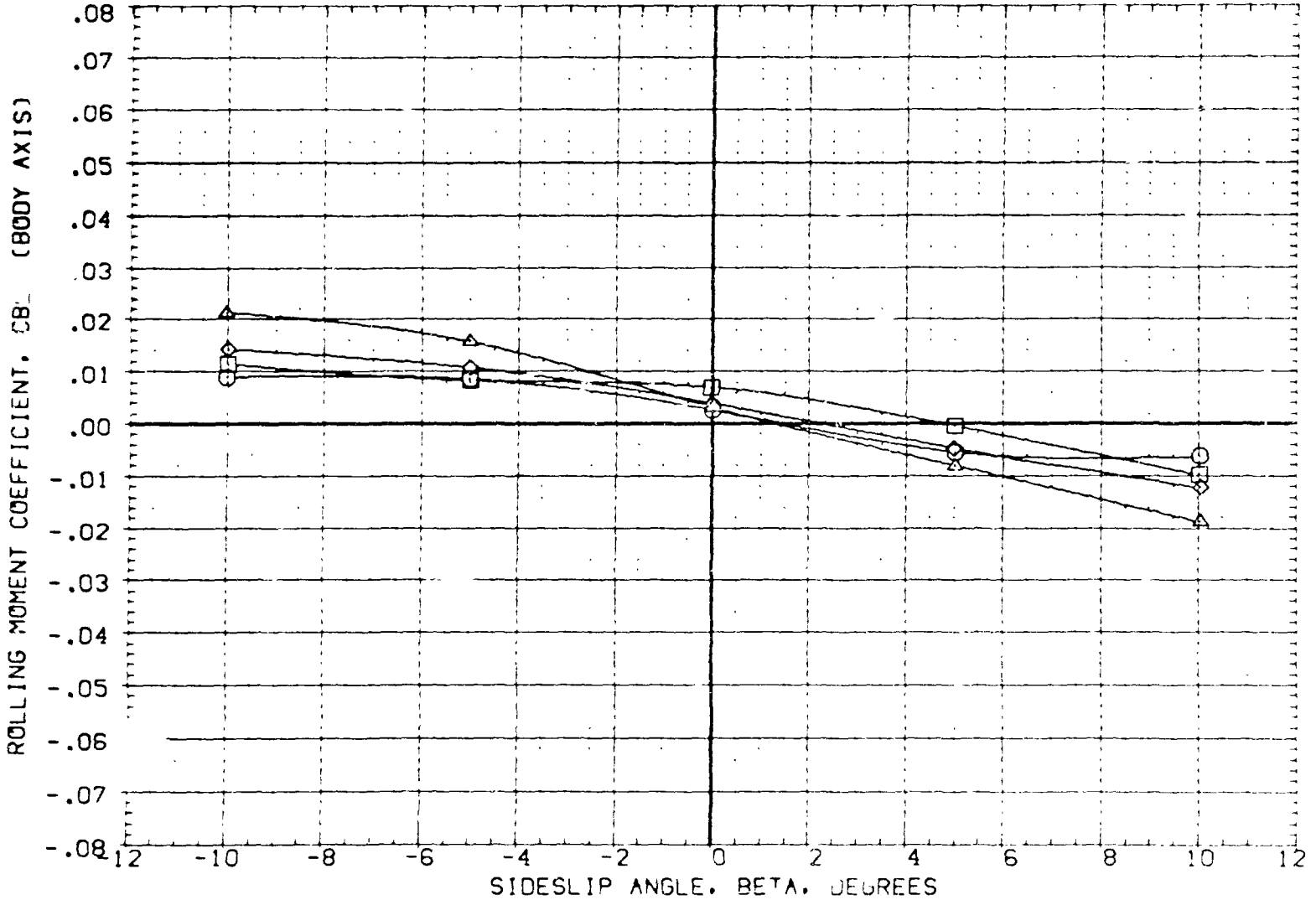



FIG 72 EFFECT OF ANGLE OF ATTACK ON 0 DEG RUDDER FLARE, ELEVON DEFLECTED +5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX207) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX206) | ○ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX219) | ◇ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX222) | △ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| 5.0000 | -12.000 | .000 | 25.000 |
| 10.0000 | -12.000 | .000 | 25.000 |
| 15.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

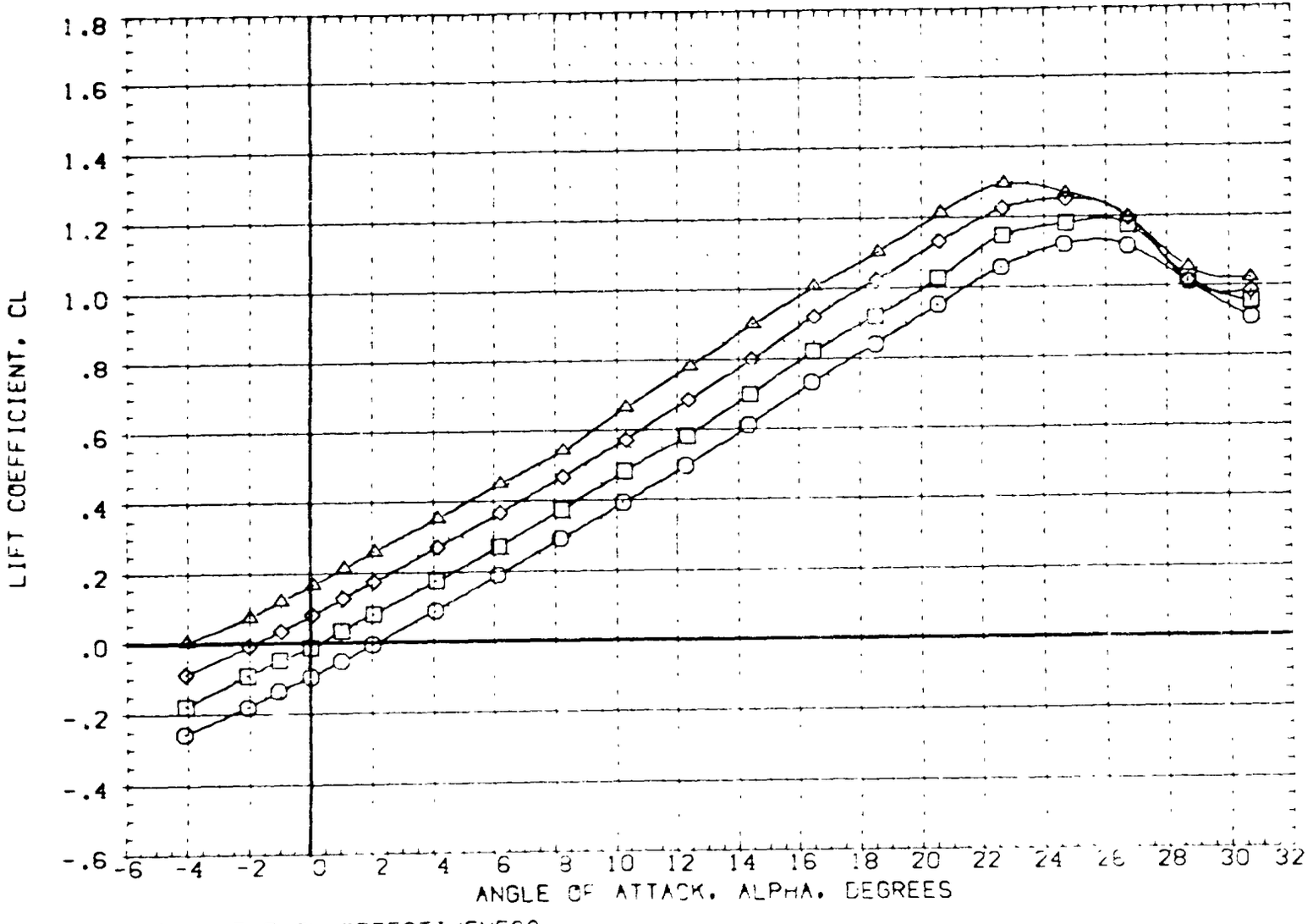



FIG 73 ELEVON EFFECTIVENESS

RADMACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx207) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx206) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx219) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADx222) | △ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 10.000 | -12.000 | .000 | 25.000 |
| 15.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15..875 | INCHES |
| SCALE | .0405 | SCALE |

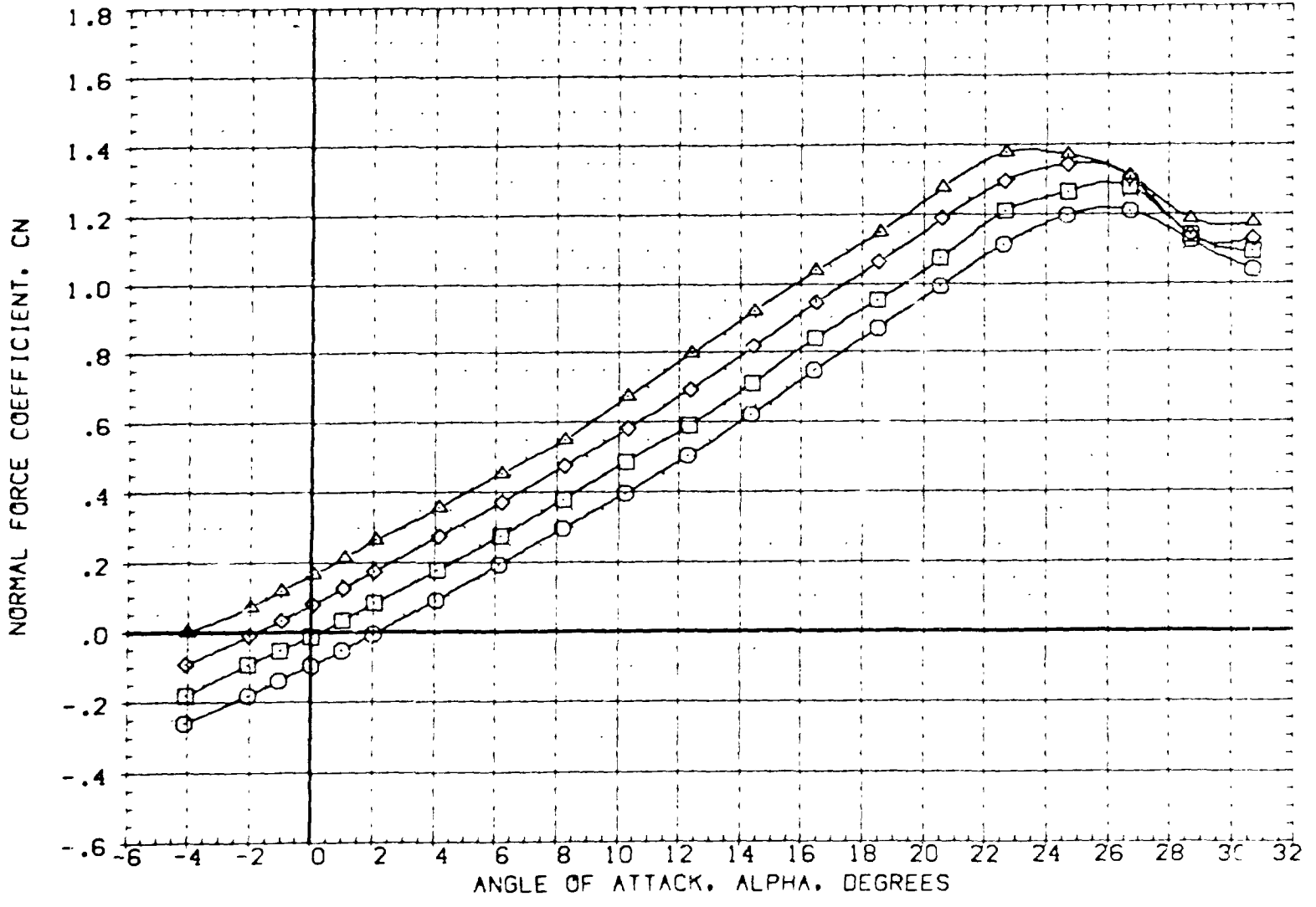



FIG 73 ELEVON EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| ADX207 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| ADX206 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| ADX2.9 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| ADX222 | | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 10.000 | -12.000 | .000 | 25.000 |
| 15.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

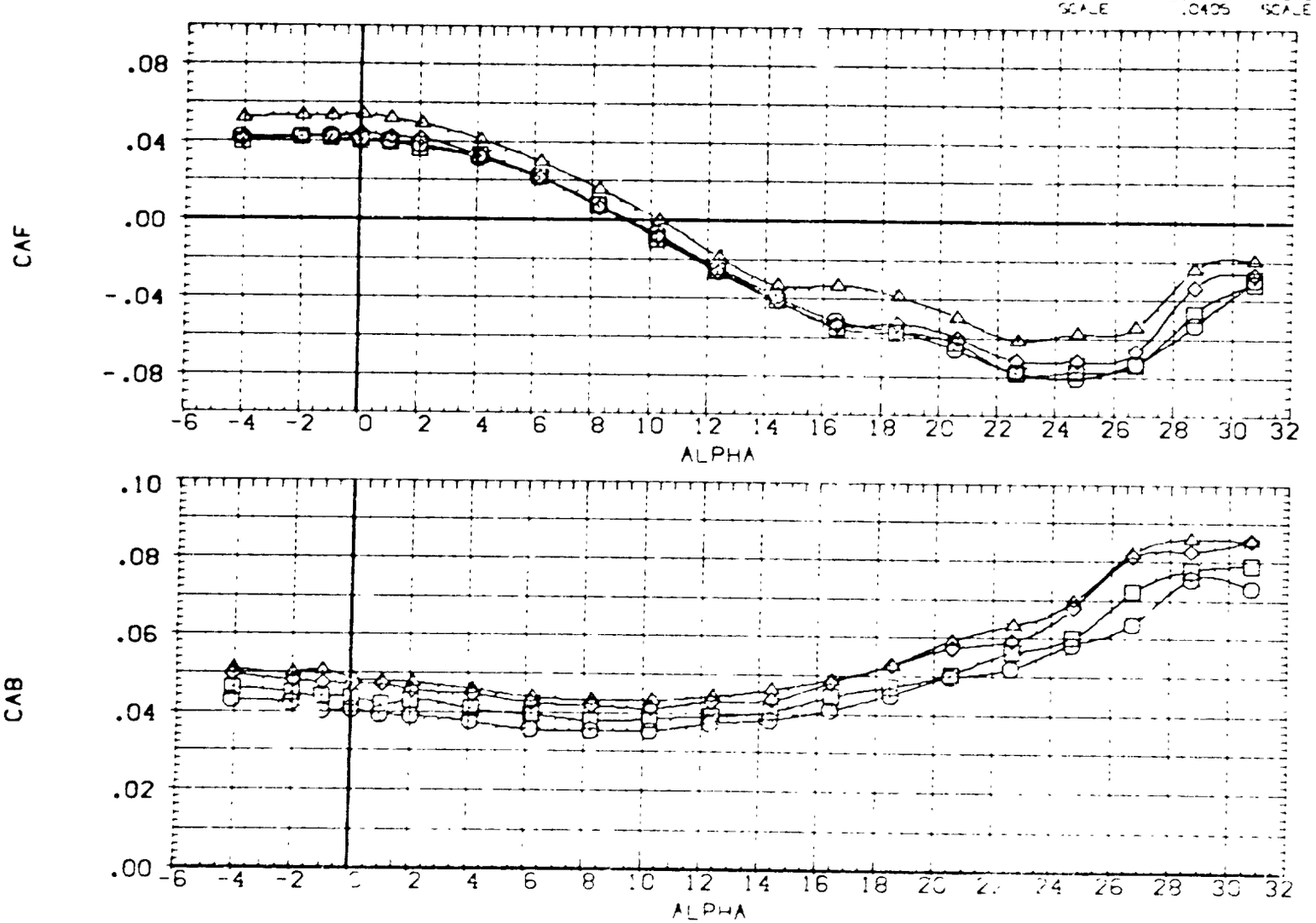



FIG 72 ELEVON EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AO×207) | □ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 |
| (AO×206) | ◇ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 |
| (AO×2.9) | △ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 |
| (AO×222) | ○ | 0A86 | B50C9 | M7F8 | W1I6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -2.000 | .000 | 25.000 |
| 5.000 | -2.000 | .000 | 25.000 |
| 10.000 | -2.000 | .000 | 25.000 |
| 15.000 | -2.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 5.1875 | INCHES |
| SCALE | .0405 | SCALE |

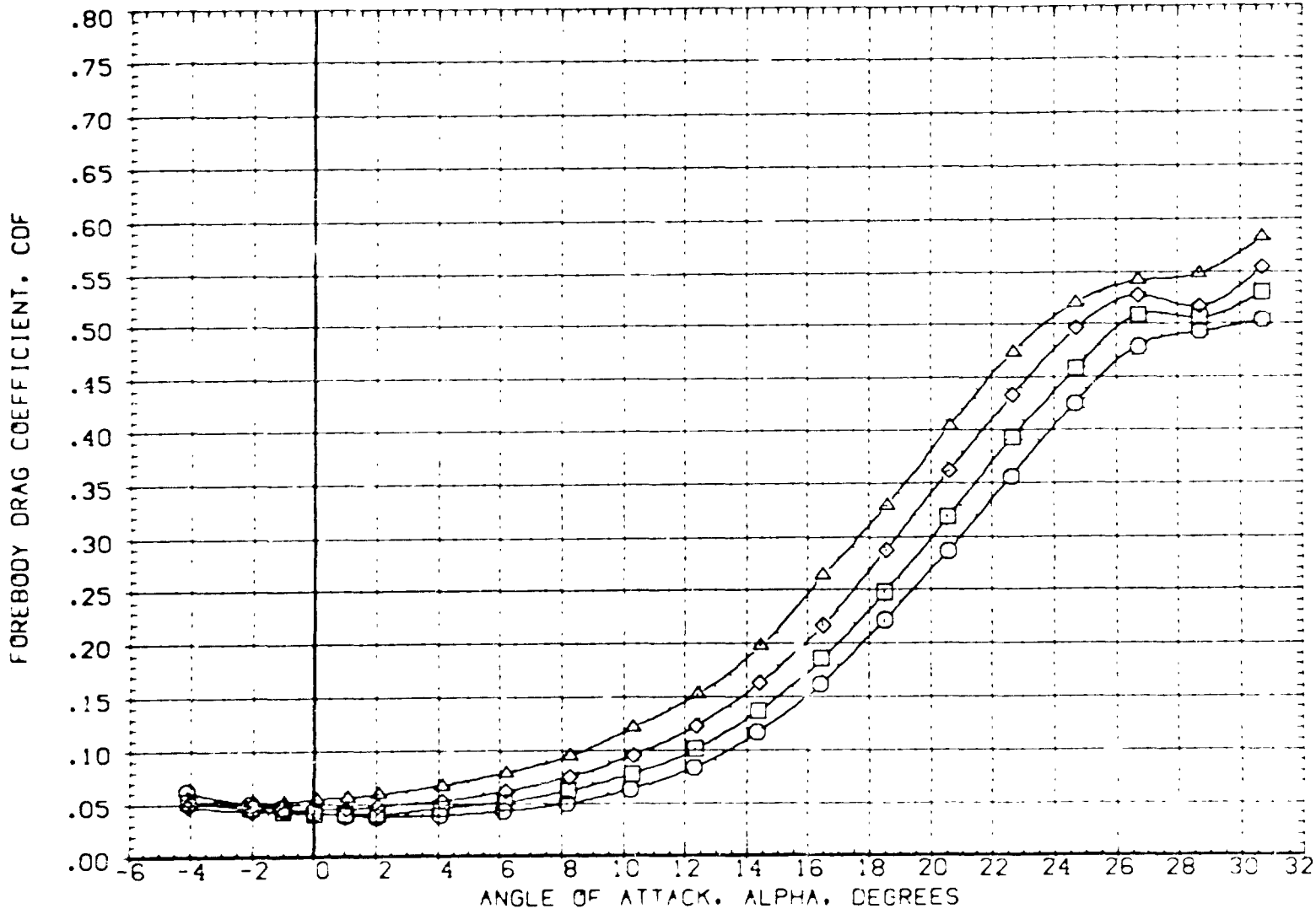



FIG 73 ELEVON EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (A0x207) | □ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (A0x206) | ◇ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (A0x219) | ⊠ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (A0x222) | △ | 0A86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 10.000 | -12.000 | .000 | 25.000 |
| 15.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

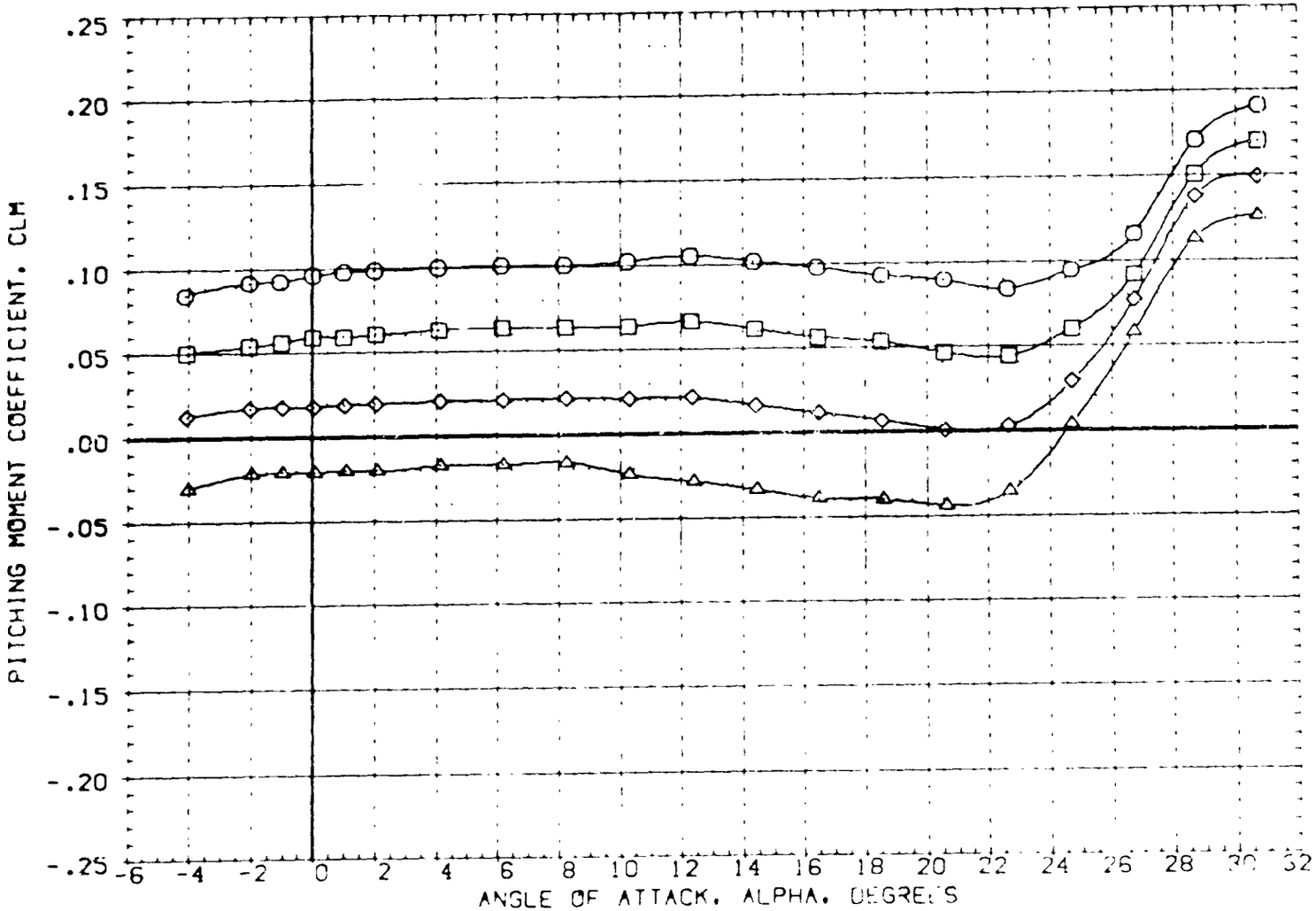


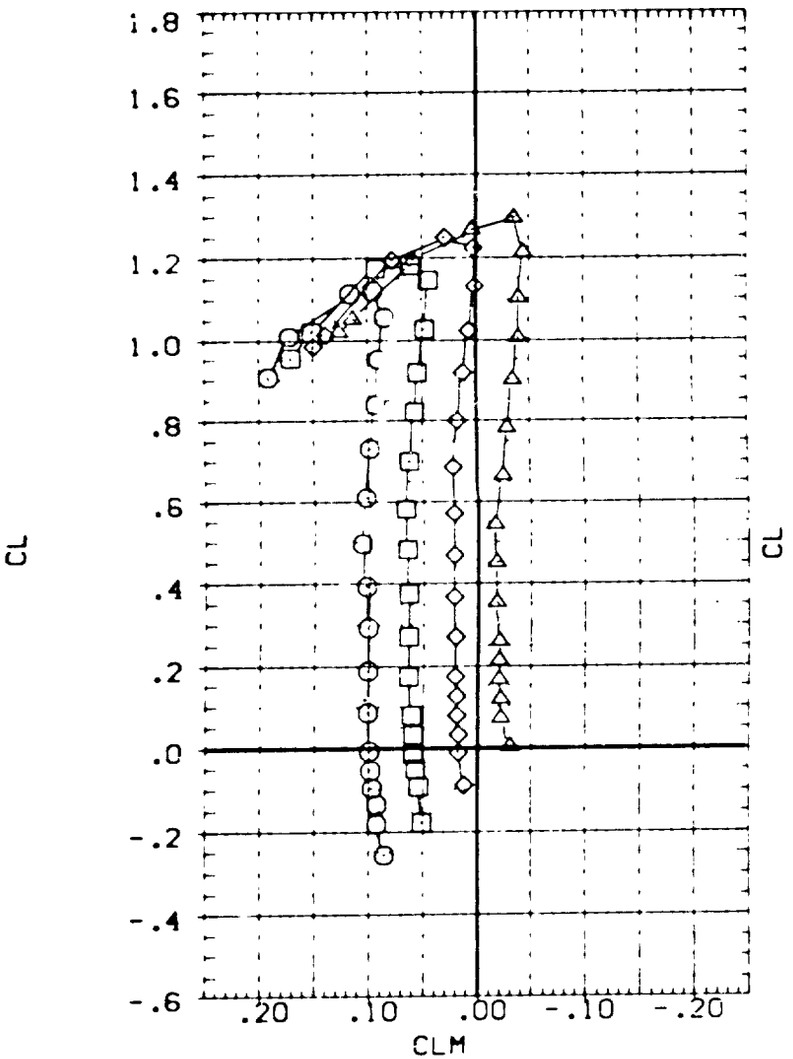

FIG 73 ELEVON EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| ( ADX207 ) | □ | 0A86 | B50C9 | M7F8 | W1:6E26V8R5X9 |
| ( ADX206 ) | ◇ | 0A86 | B50C9 | M7F8 | W1:6E26V8R5X9 |
| ( ADX219 ) | ⊗ | 0A86 | B50C9 | M7F8 | W1:6E26V8R5X9 |
| ( ADX222 ) | △ | 0A86 | B50C9 | M7F8 | W1:6E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPLBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| 5.000 | -12.000 | .000 | 25.000 |
| 10.000 | -12.000 | .000 | 25.000 |
| 15.000 | -12.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |



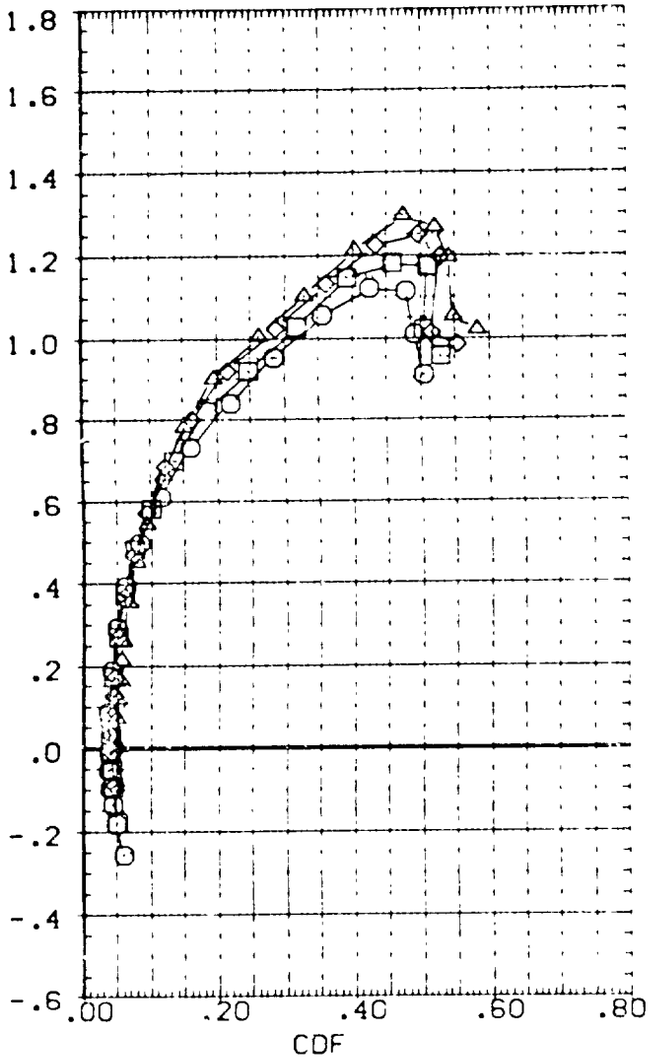




FIG 73 ELEVON EFFECTIVENESS

(A)MACH = .20

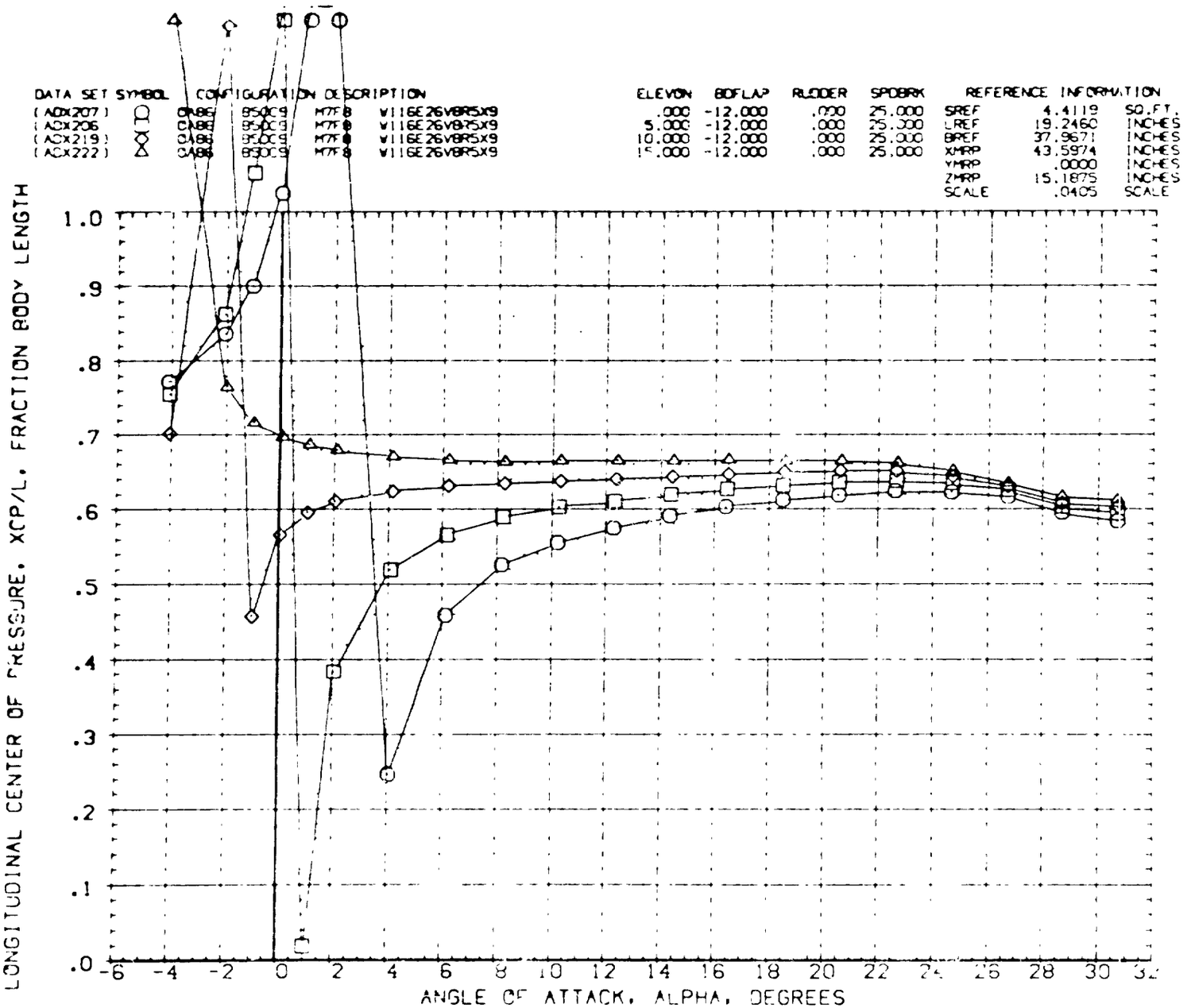



FIG 73 ELEVON EFFECTIVENESS

(A)MACH = .20

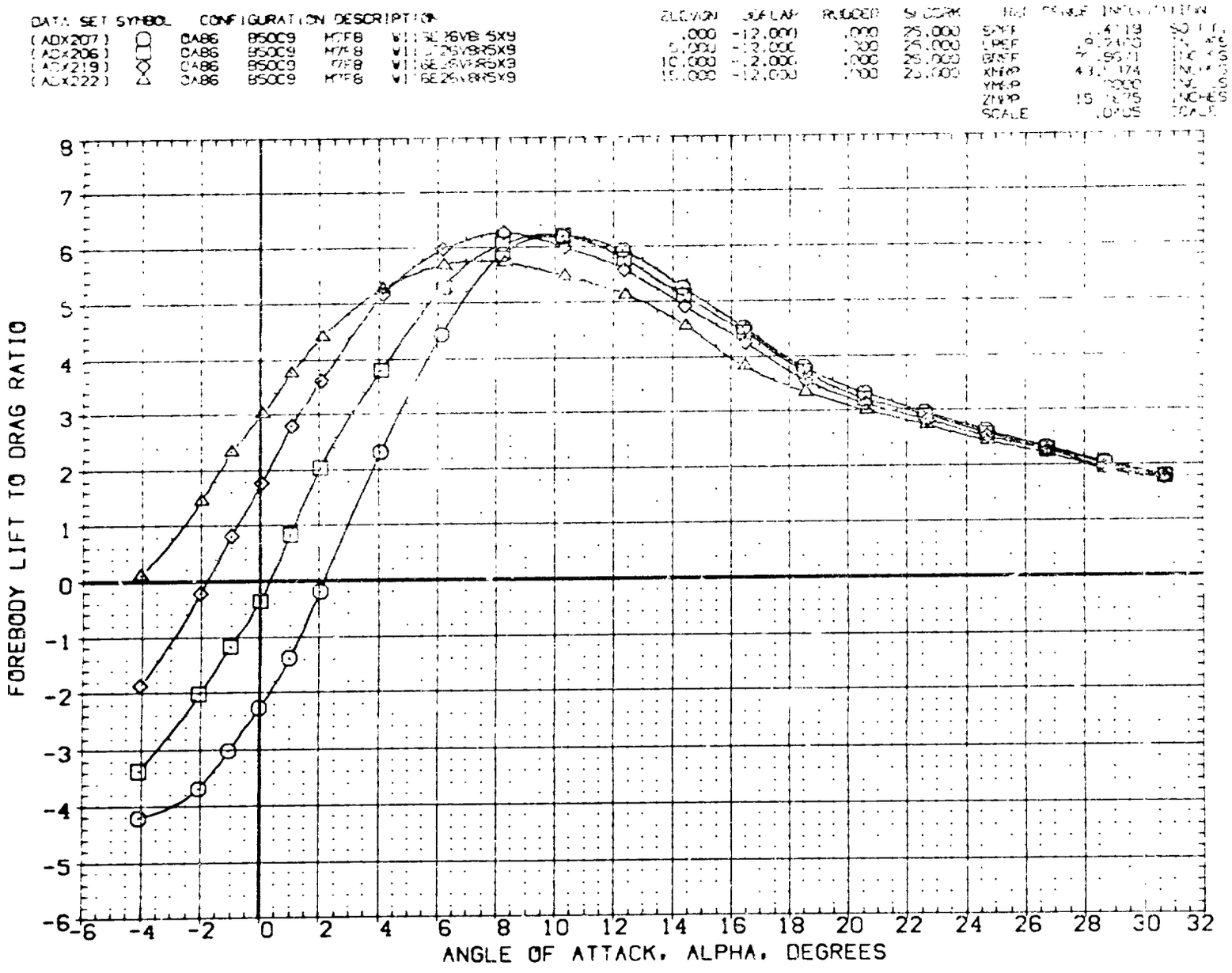



FIG 73 ELEVON EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX207) | | DA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (RDX220) | | DA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (RDX221) | | DA86 | 850C9 | M7F8 | W116E26V8R5X9 |

| BETA | ELEVON | AILERON | SPOILER |
|---|---|---|---|
| .000 | .000 | .000 | 25.000 |
| .000 | .000 | 10.000 | 25.000 |
| .000 | .000 | -10.000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

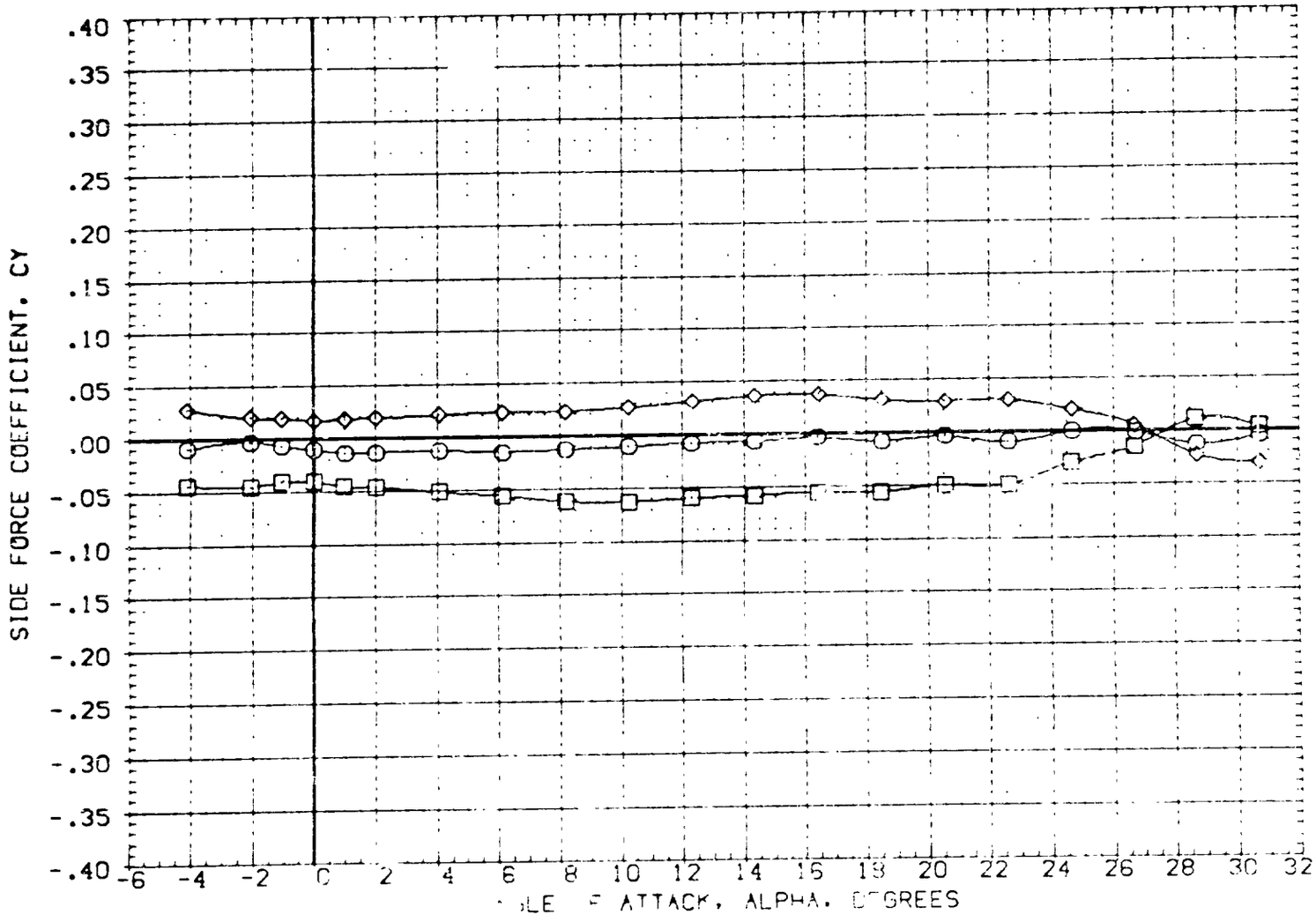



FIG 74 AILERON EFFECTIVENESS

(A)MACH = .20

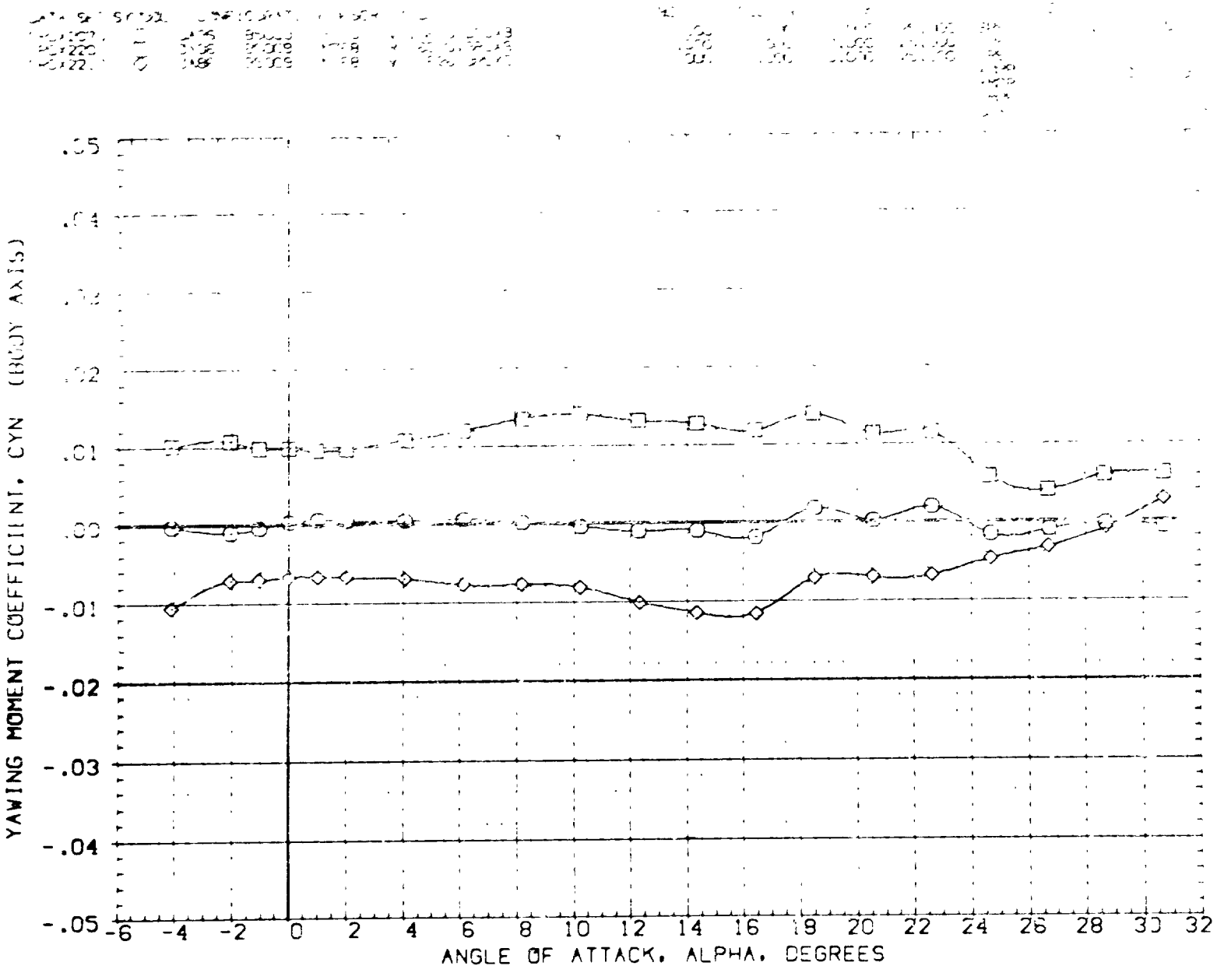



FIG 74 AILERON EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | BETA | ELEVON | AILRON | SPOBRK |
|---|---|---|---|---|---|---|---|---|---|
| (RDX207) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (RDX220) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | 10.000 | 25.000 |
| (RDX221) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 | .000 | .000 | -10.000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0475 | SCALE |

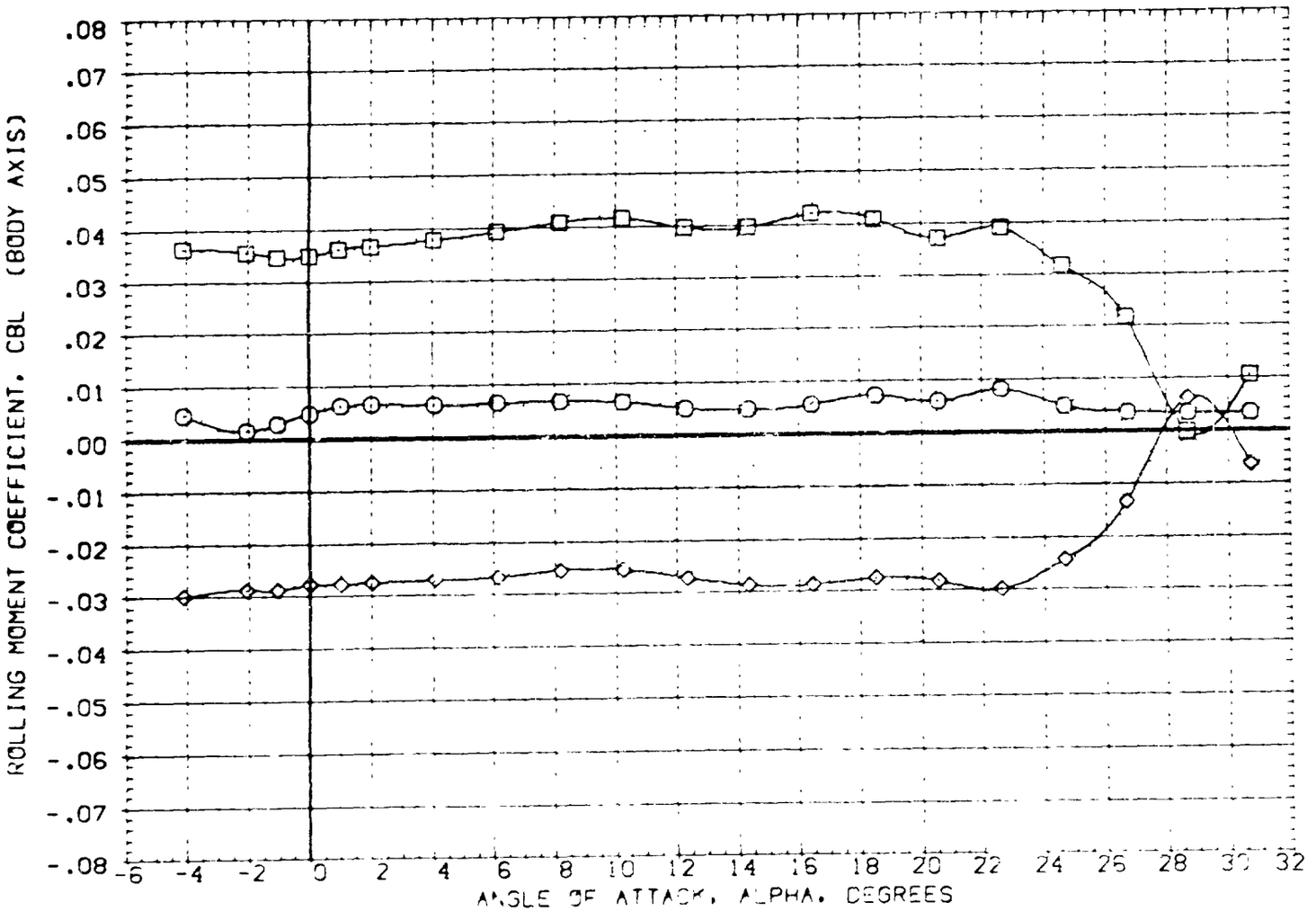



FIG 74 AILERON EFFECTIVENESS

(A)MACH = .20

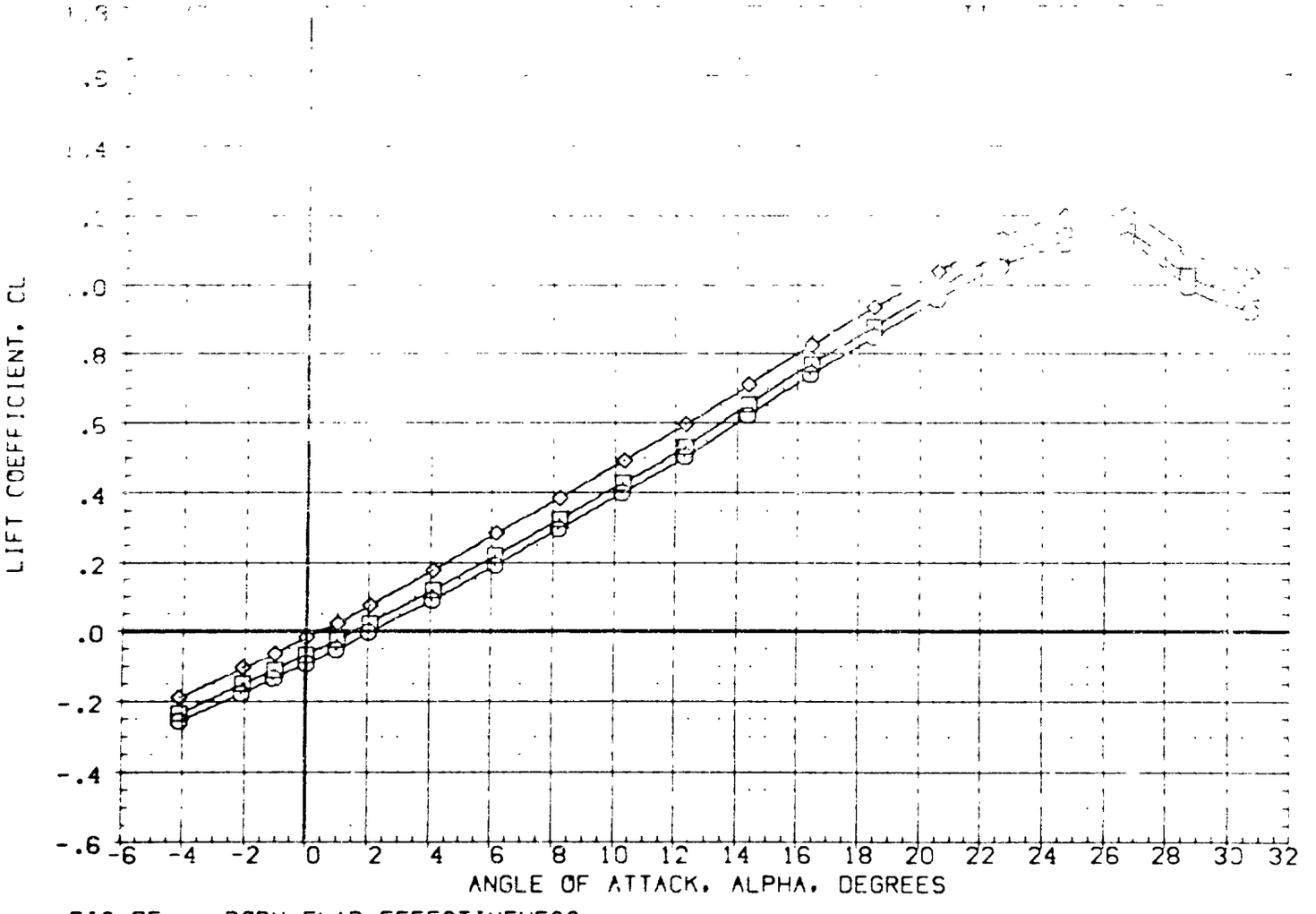



FIG 75 BODY FLAP EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX223) | □ | 0A86 | B50C9 | M7F8 | W11GE26V8R5X9 | .000 | -12.000 | .000 | 25.000 |
| (ADX239) | ◇ | 0A86 | B50C9 | M7F8 | W11GE26V8R5X9 | .000 | .000 | .000 | 25.000 |
| (ADX238) | | 0A86 | B50C9 | M7F8 | W11GE26V8R5X9 | .000 | 16.000 | .000 | 25.000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4113 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.3671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040 | SCALE |

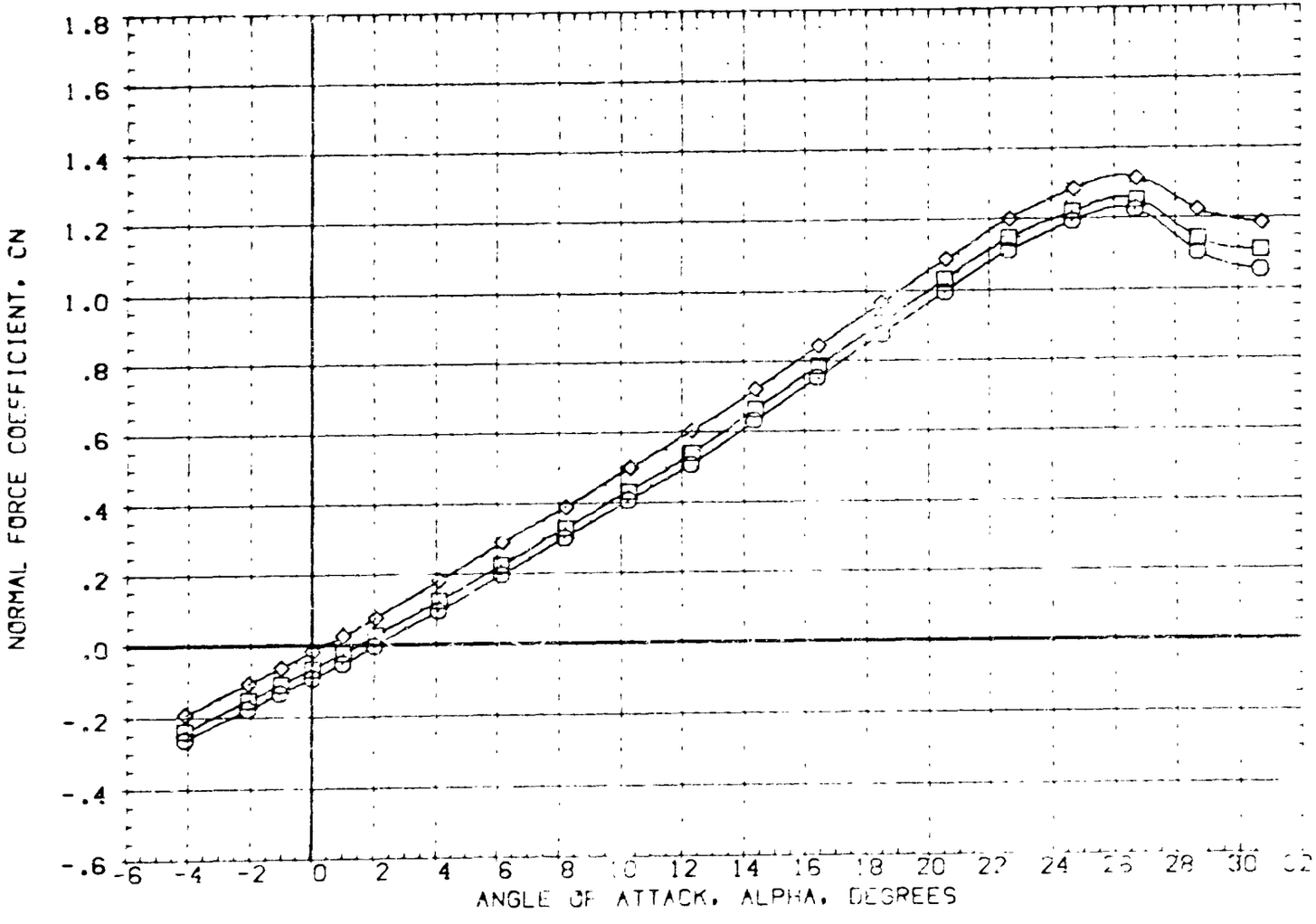



FIG 7[illegible] BODY - [illegible]ENESS

(A)MAC = 20

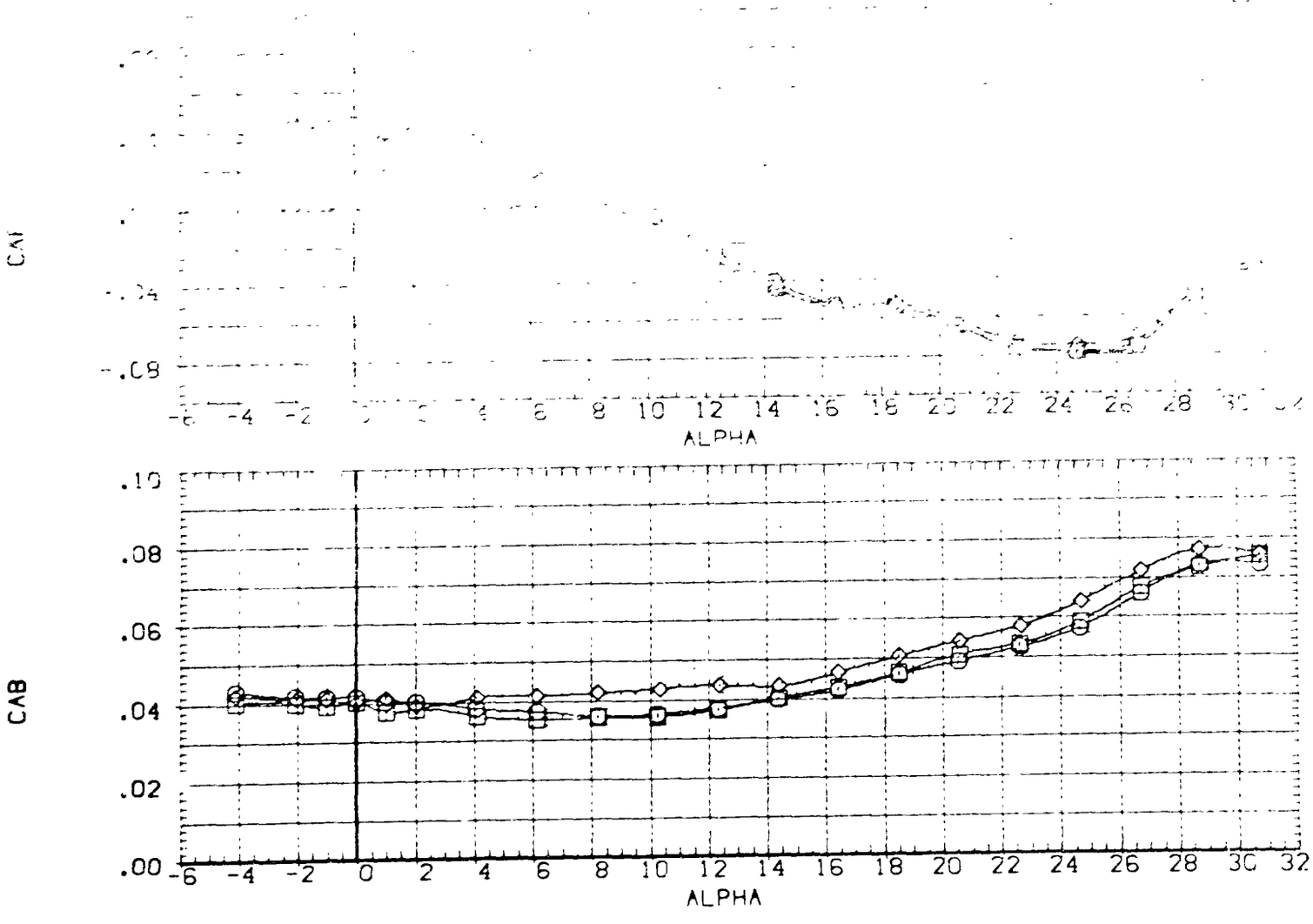



FIG 75 BODY FLAP EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADX223) | ○ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX239) | □ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |
| (ADX238) | ◇ | CA86 | B50C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | 16.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

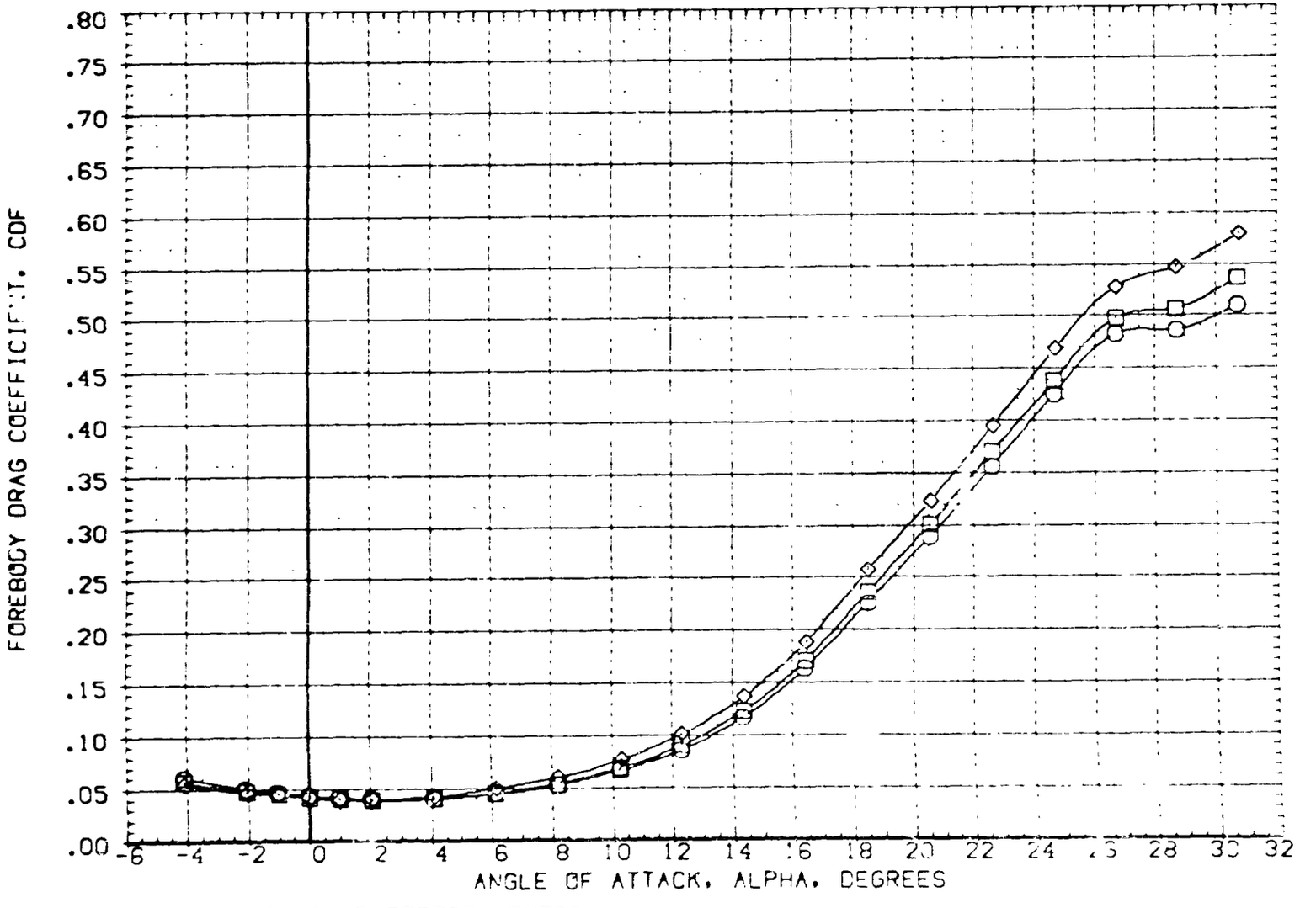



FIG 75 BODY FLAP EFFECTIVENESS

(A)MACH = .20

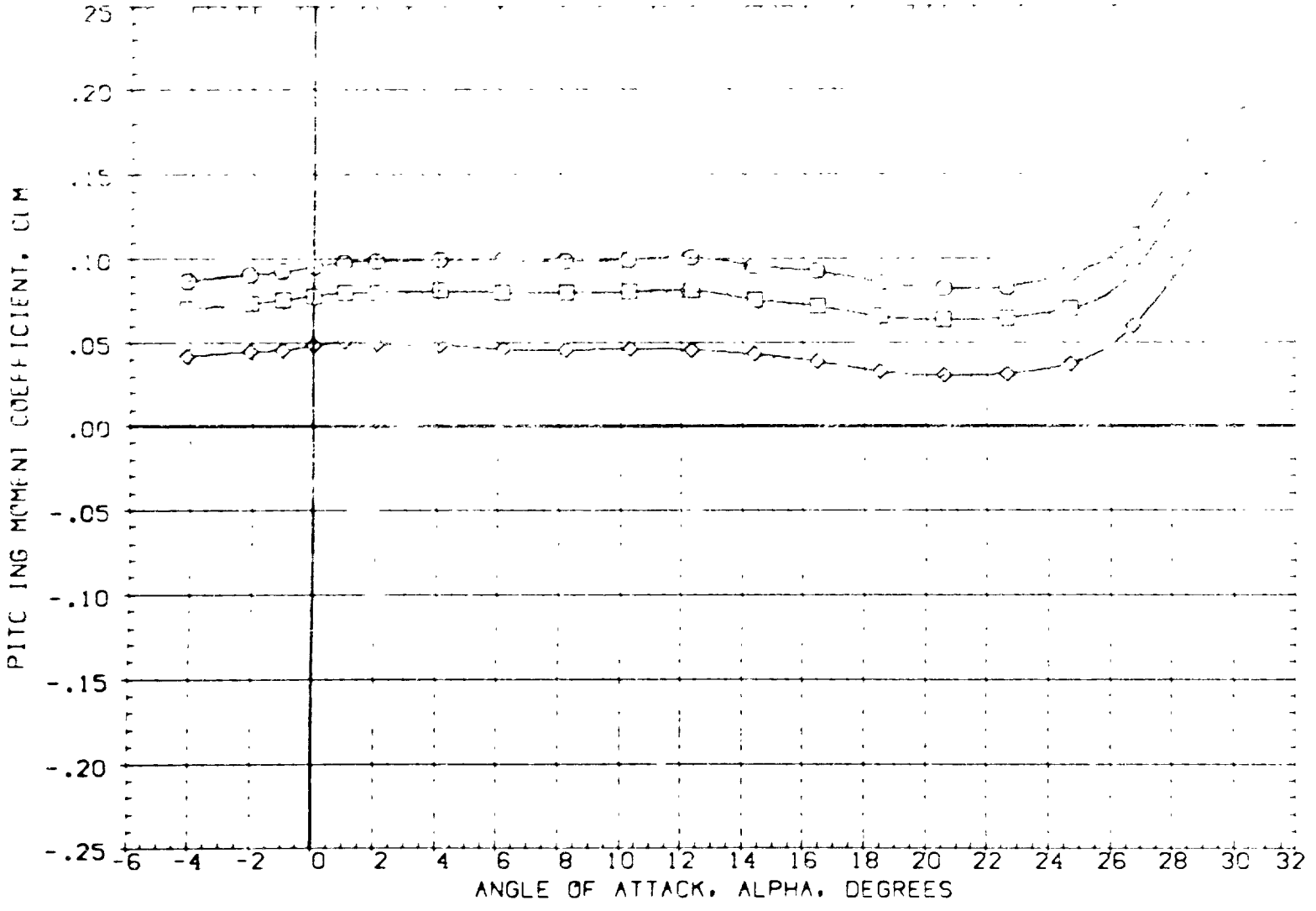


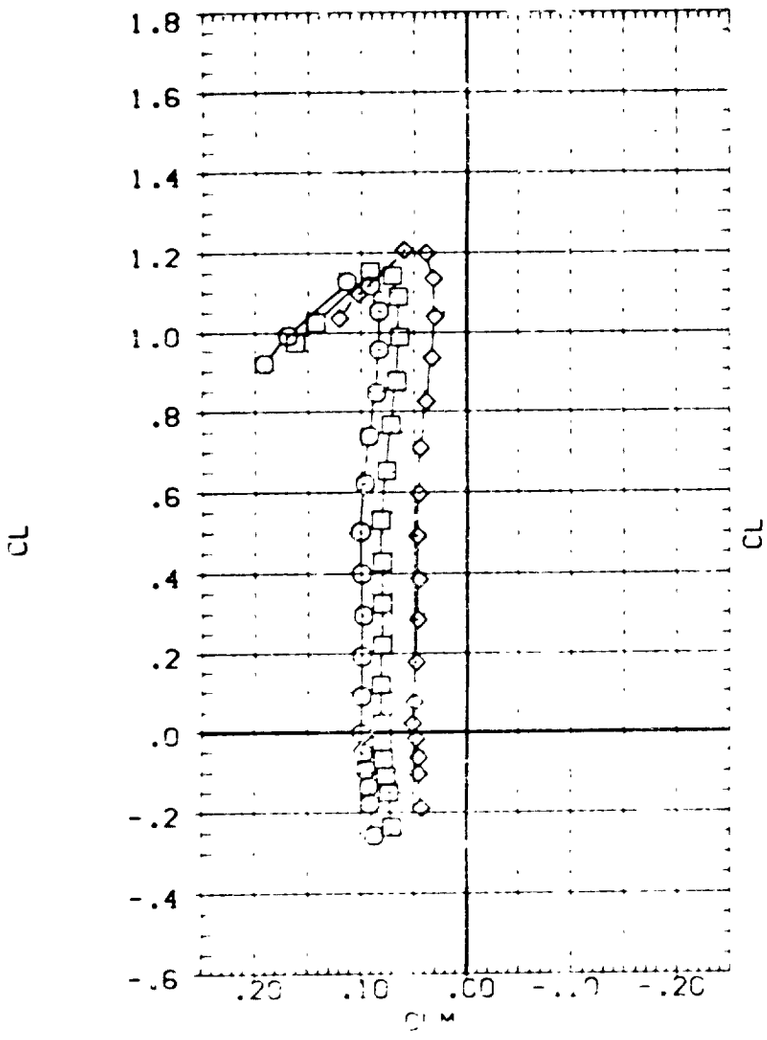

FIG 75 BODY FLAP EFFECTIVENESS

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (AOx223) | ◇ | 0A86 | BF 1C9 | M7F8 | W116E26V8R5J9 |
| (AOx239) | | 0A8E | BL 1C9 | M7F8 | W116E26V8R5Jx9 |
| (AOx238) | | 0A86 | B50C9 | M7F8 | W116E26[illegible] |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | 16.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |



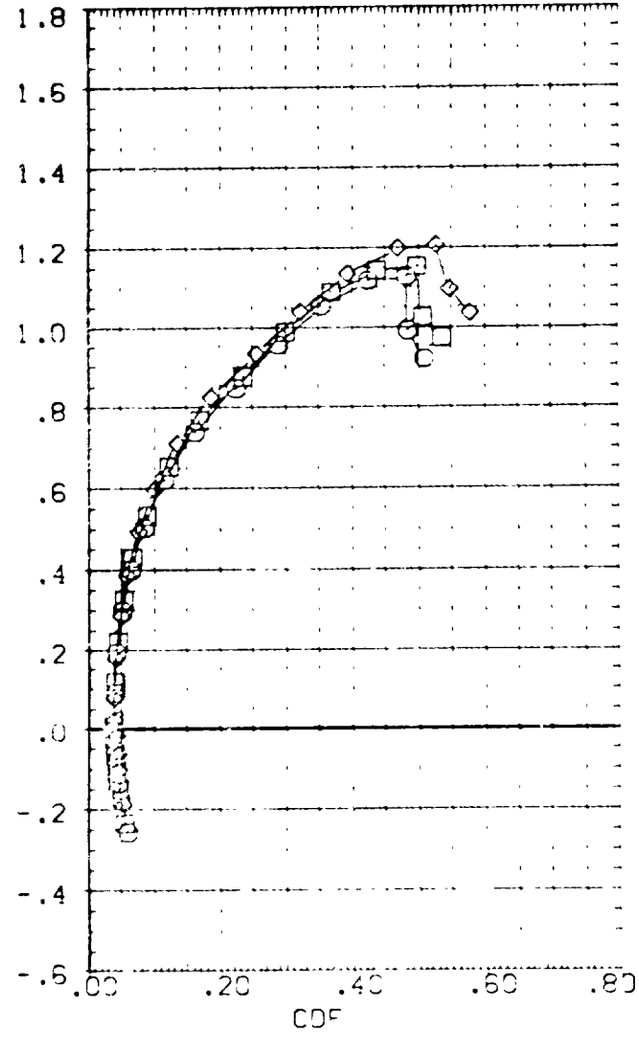




FIG 75 BODY FLAP EFFECTIVENESS

(A)MA[illegible] = .20

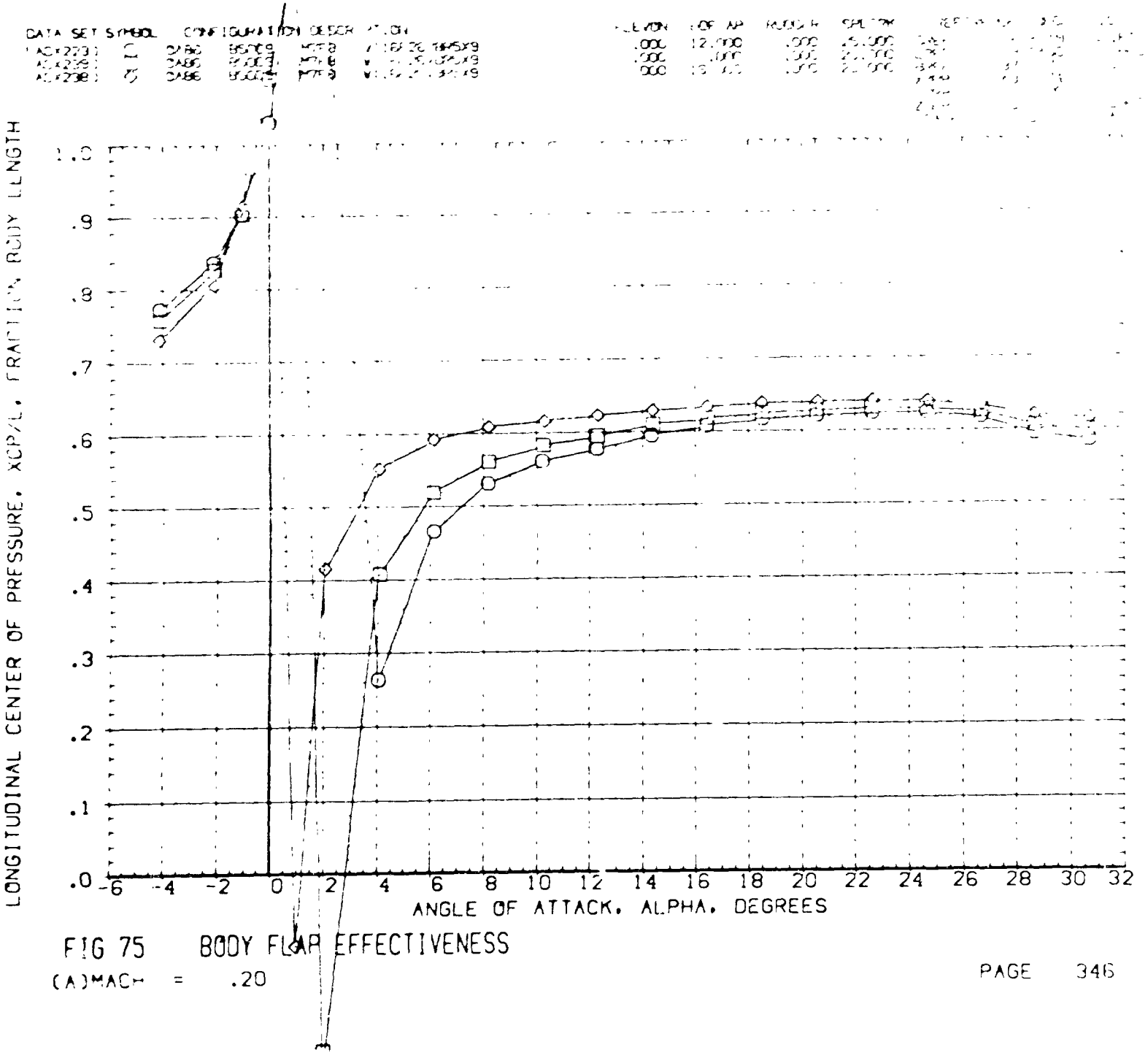



FIG 75 BODY FLAP EFFECTIVENESS

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | |
|---|---|---|---|---|---|
| (AOX223) | □ | OA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (AOX239) | ○ | OA86 | 850C9 | M7F8 | W116E26V8R5X9 |
| (AOX238) | ◇ | OA86 | 850C9 | M7F8 | W116E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | -12.000 | .000 | 25.000 |
| .000 | .000 | .000 | 25.000 |
| .000 | 16.000 | .000 | 25.000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

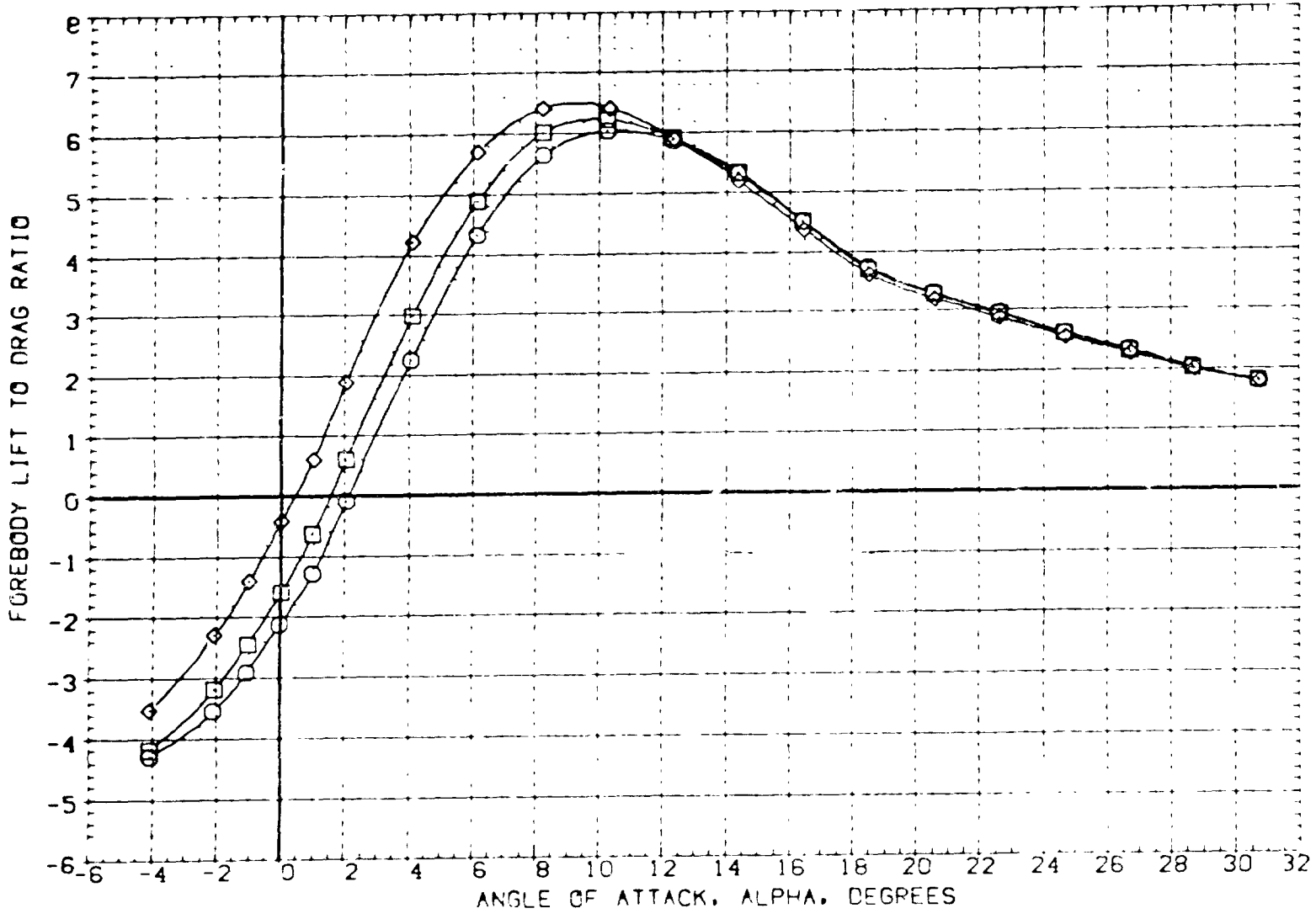



FIG 75 BODY FLAP EFFECTIVENESS

(A)MACH = .20

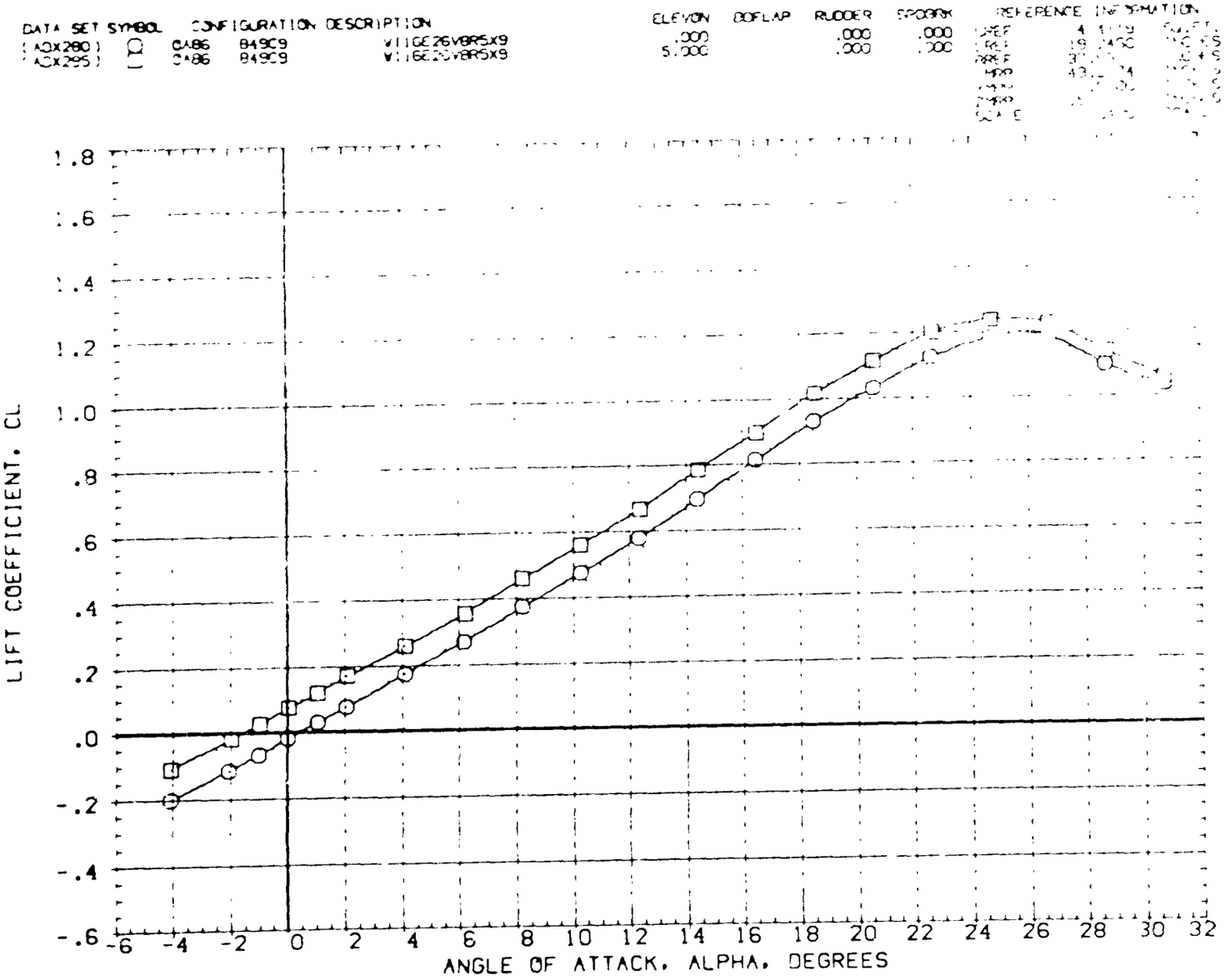



FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (AOx280) | ○ | 0.86 | B49C9 | W116E26V8R5X9 | .000 | | .000 | .000 |
| (AOx295) | □ | 0.86 | B49C9 | W116E26V8R5X9 | 5.000 | | .000 | .000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4113 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5994 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.875 | INCHES |
| SCALE | .0405 | SCALE |

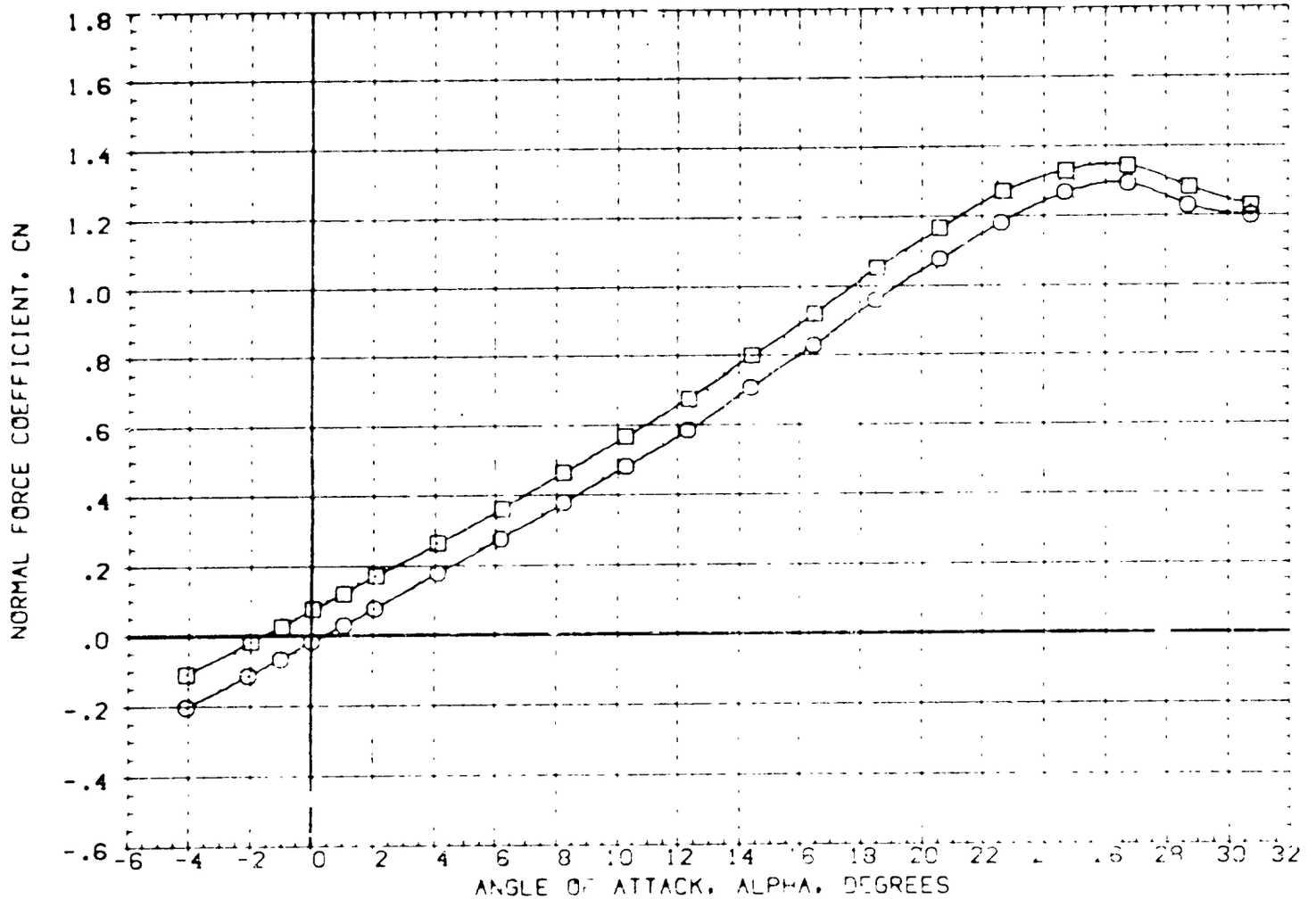



FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

DATA SET SY 30L CONFIGURATION DESCRIPTION

| | | | | | ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|
| (ADX280) | | DA86 | B49C9 | W11SE26V8R5X9 | .000 | | .000 | .000 |
| (ADX295) | | DA86 | B49C9 | W11SE25V8R5X9 | 5.000 | | .000 | .000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 1.4119 | SQ FT |
| LREF | 19.2450 | INCHES |
| BREF | 37.4671 | INCHES |
| XMRP | 53.6974 | INCHES |
| YMRP | 0.0 | INCHES |
| ZMRP | 21.4775 | INCHES |
| SCALE | 1.0000 | CALC |

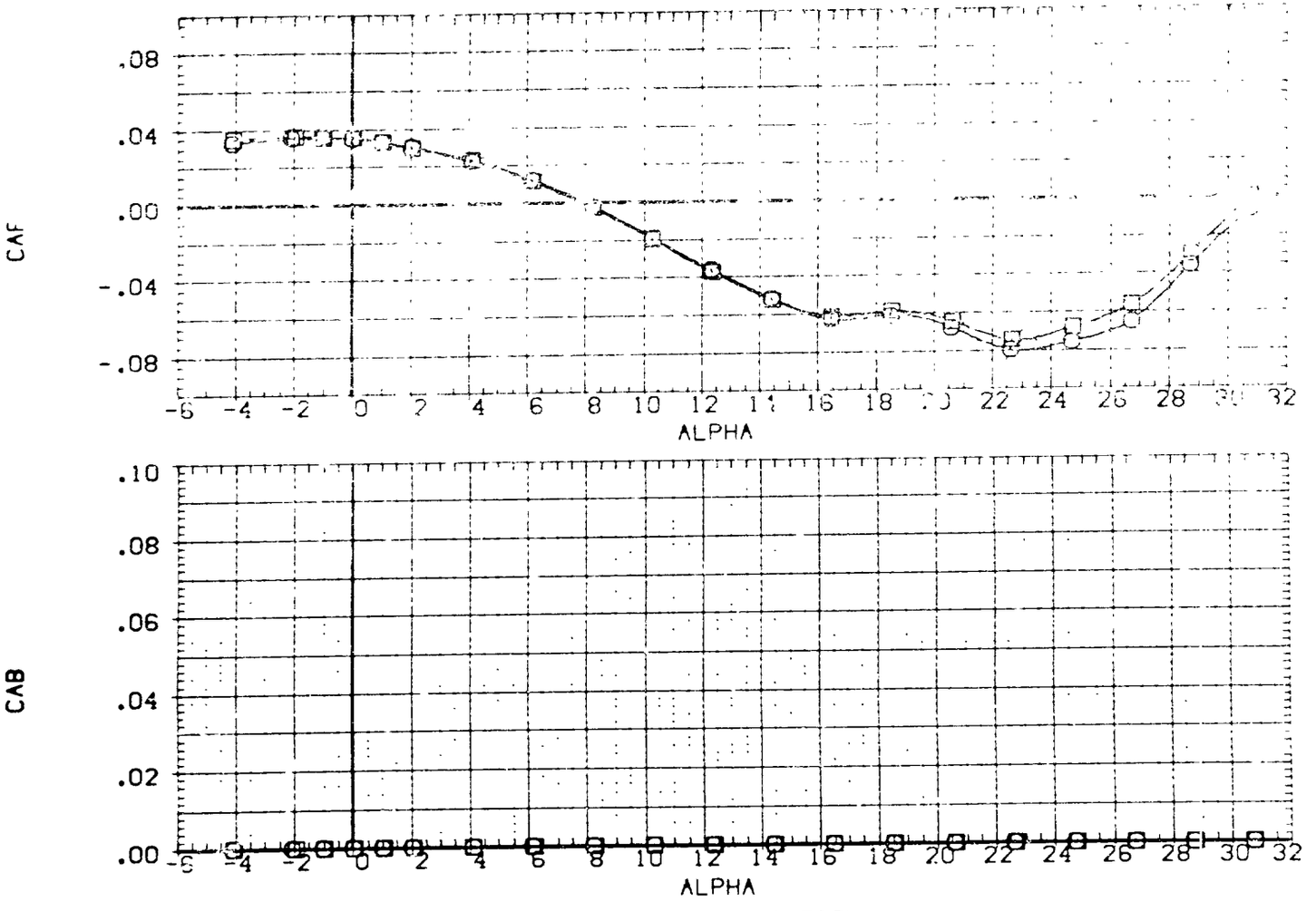



FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|
| (A0X280) | | 0A86 | B49C9 | W116E26V8R5X9 | .000 | | .000 | .000 |
| (A0X295) | | 0A86 | B49C9 | W116E26V8R5X9 | 5.000 | | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4[illegible] | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5971 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

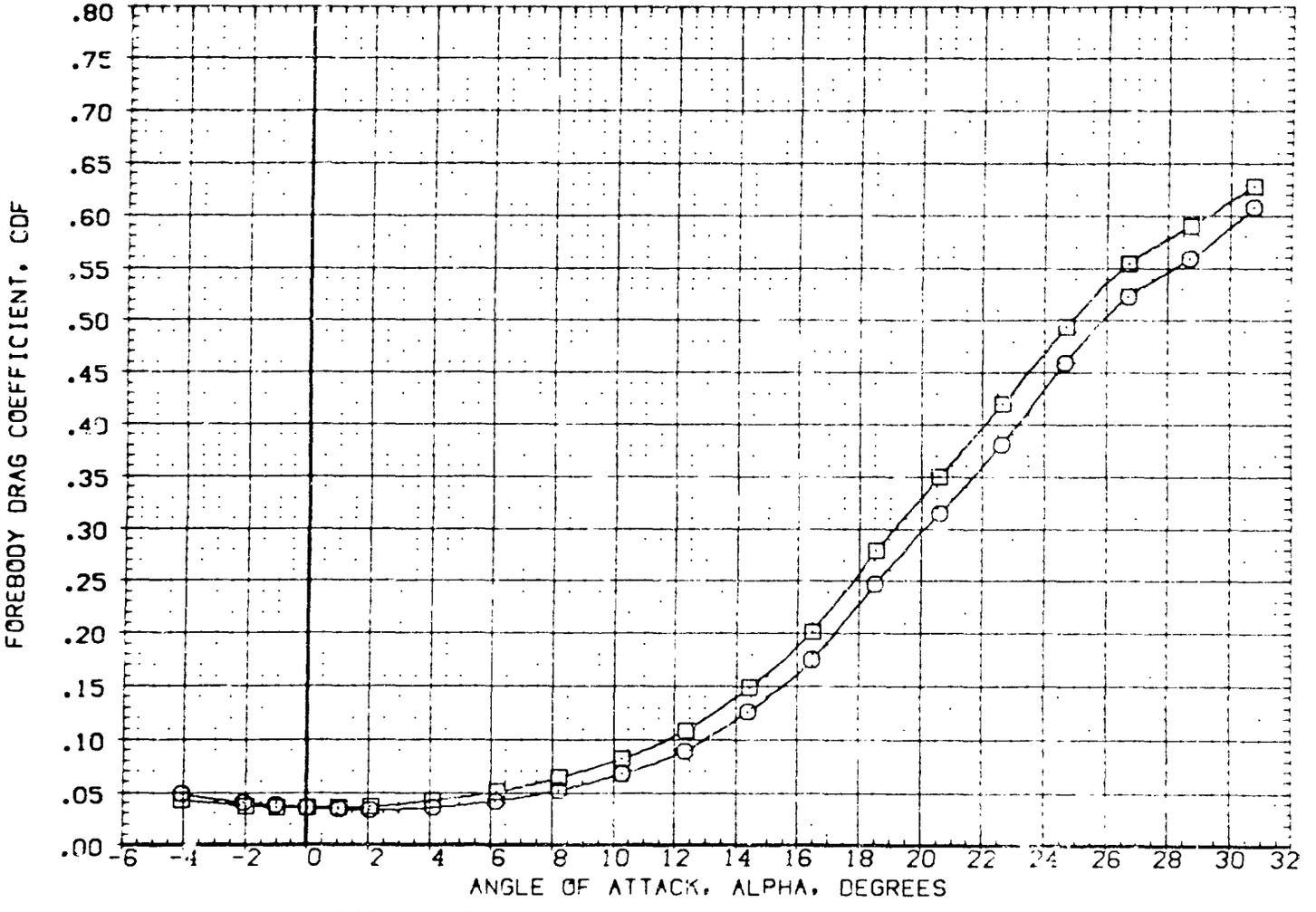



FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

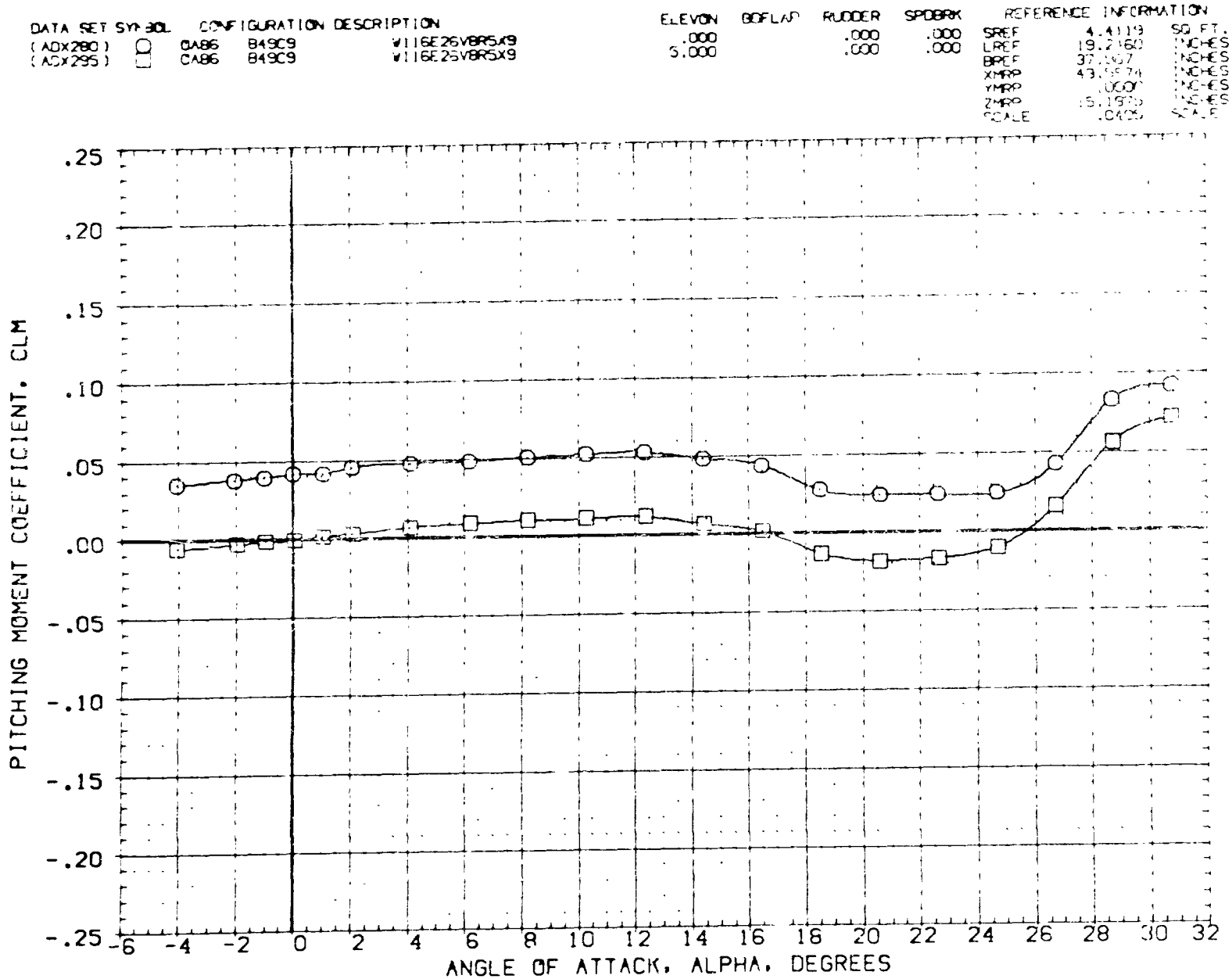


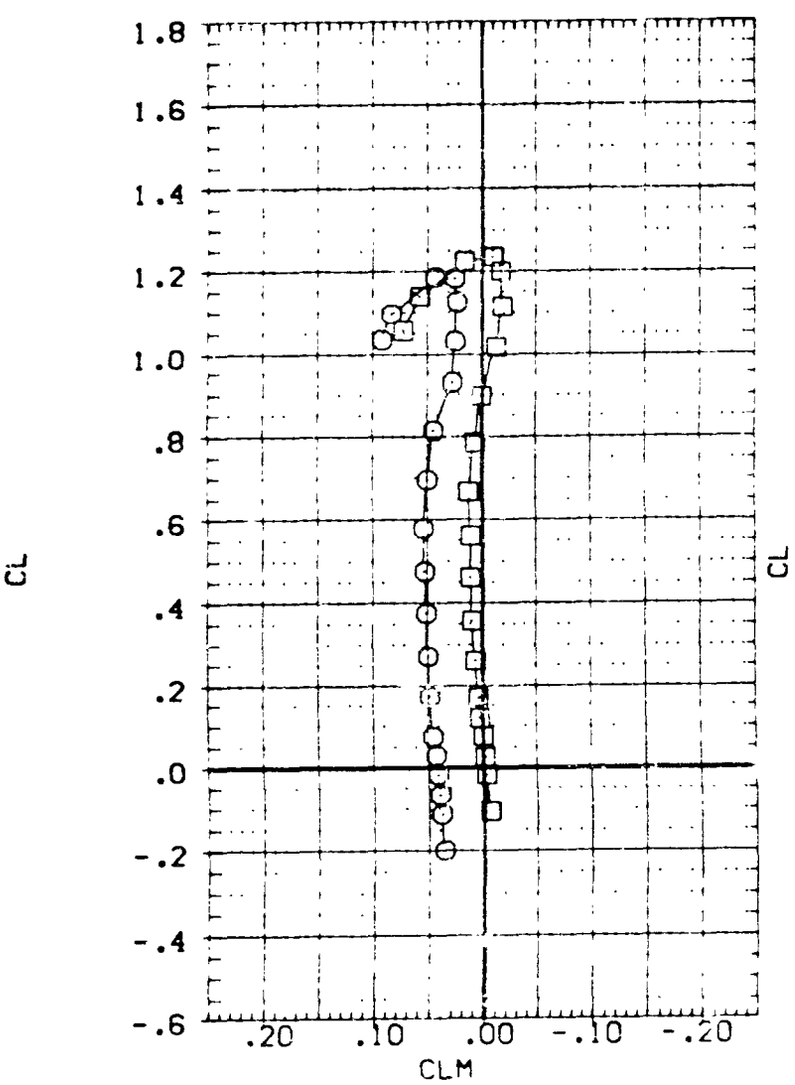

FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (A0X280) | ○ | 0A86 | B49C9 | W116E26V8R5X9 |
| (A0X295) | □ | 0A86 | B49C9 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | | .000 | .000 |
| 5.000 | | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.96 1 | INCHES |
| XMRP | 43.59 4 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |



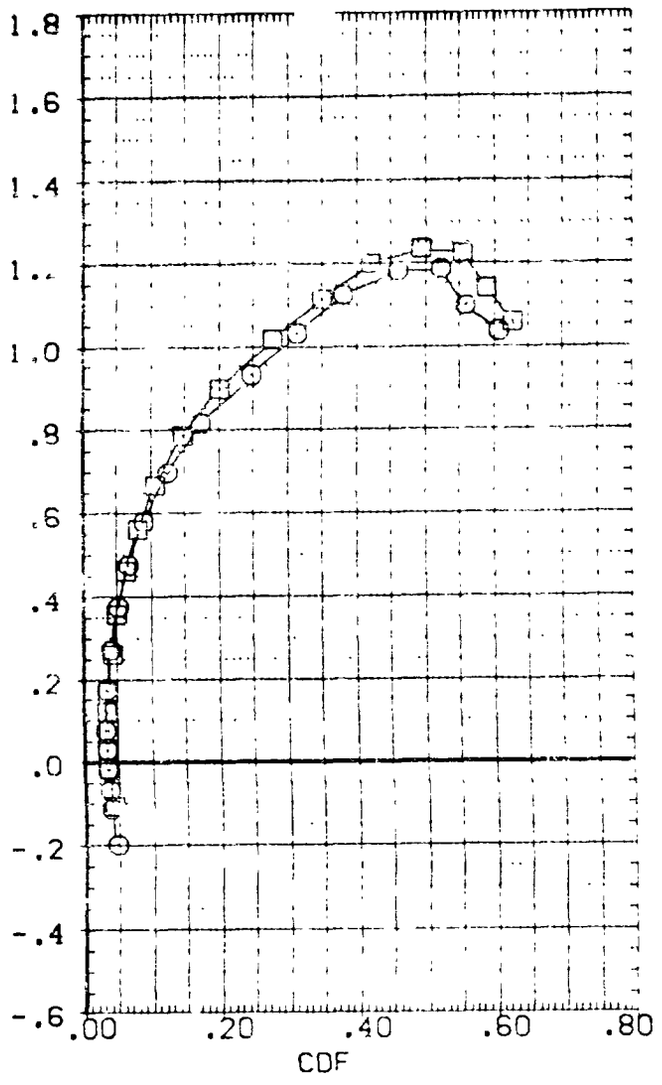




FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

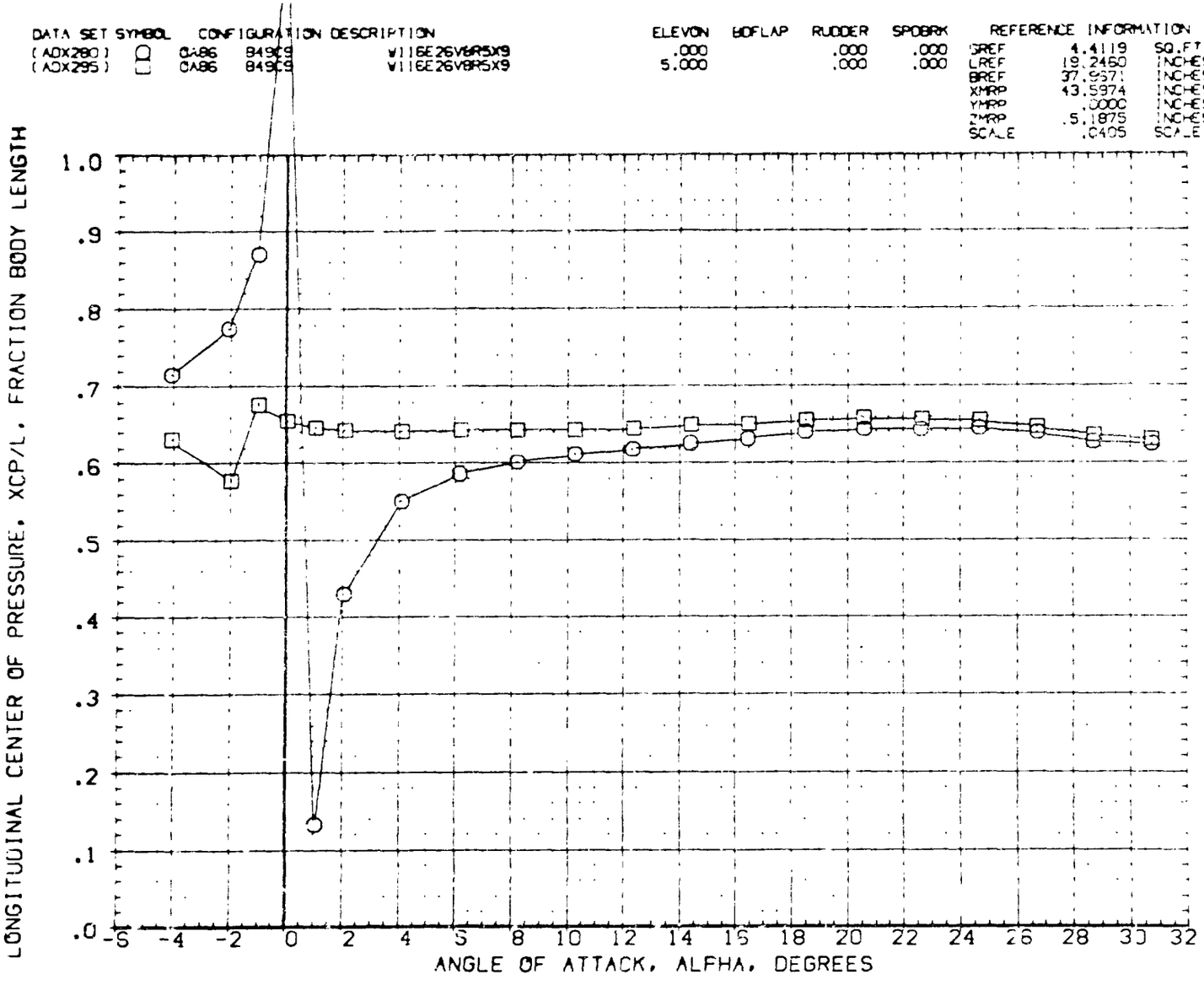



FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|
| (ADX280) ○ | OA86 | B49C9 | W116E26V8R5X9 | .000 | | .000 | .000 |
| (ADX295) □ | OA86 | B49C9 | W116E2GV8R5X9 | 5.000 | | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.411 9 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .040S | SCALE |

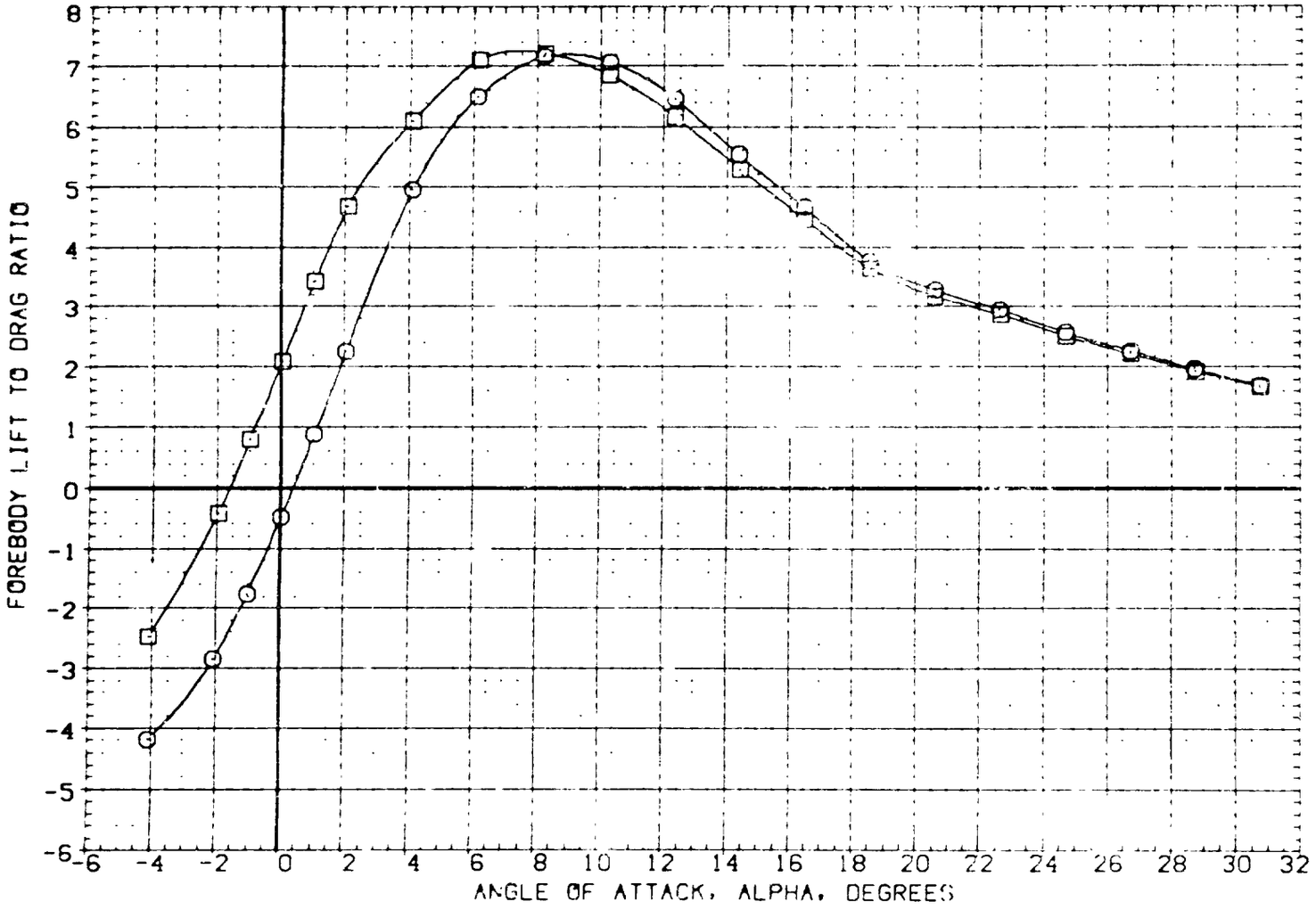



FIG 76 ELEVON EFFECTIVENESS, FERRY CONFIGURATION

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (RUx281) | ○ | 0A86 | 849C9 | W1166E26V8R5X9 | .000 | .000 | .000 | .000 |
| (RUx296) | □ | 0A86 | 849C9 | W1166E26V8R5X9 | .000 | 5.000 | .000 | .000 |
| (RUx282) | ◇ | 0A86 | 849C9 | W1[illegible]26V8R5X9 | 5.000 | .000 | .000 | .000 |
| (RUx297) | △ | 0A86 | 849C9 | W11[illegible]26V8R5X9 | 5.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.411[illegible] | SQ.FT. |
| LREF | 19.246[illegible] | INCHES |
| BREF | 37.967[illegible] | INCHES |
| XMRP | 43.527[illegible] | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.187[illegible] | INCHES |
| SCALE | .040[illegible] | SCALE |

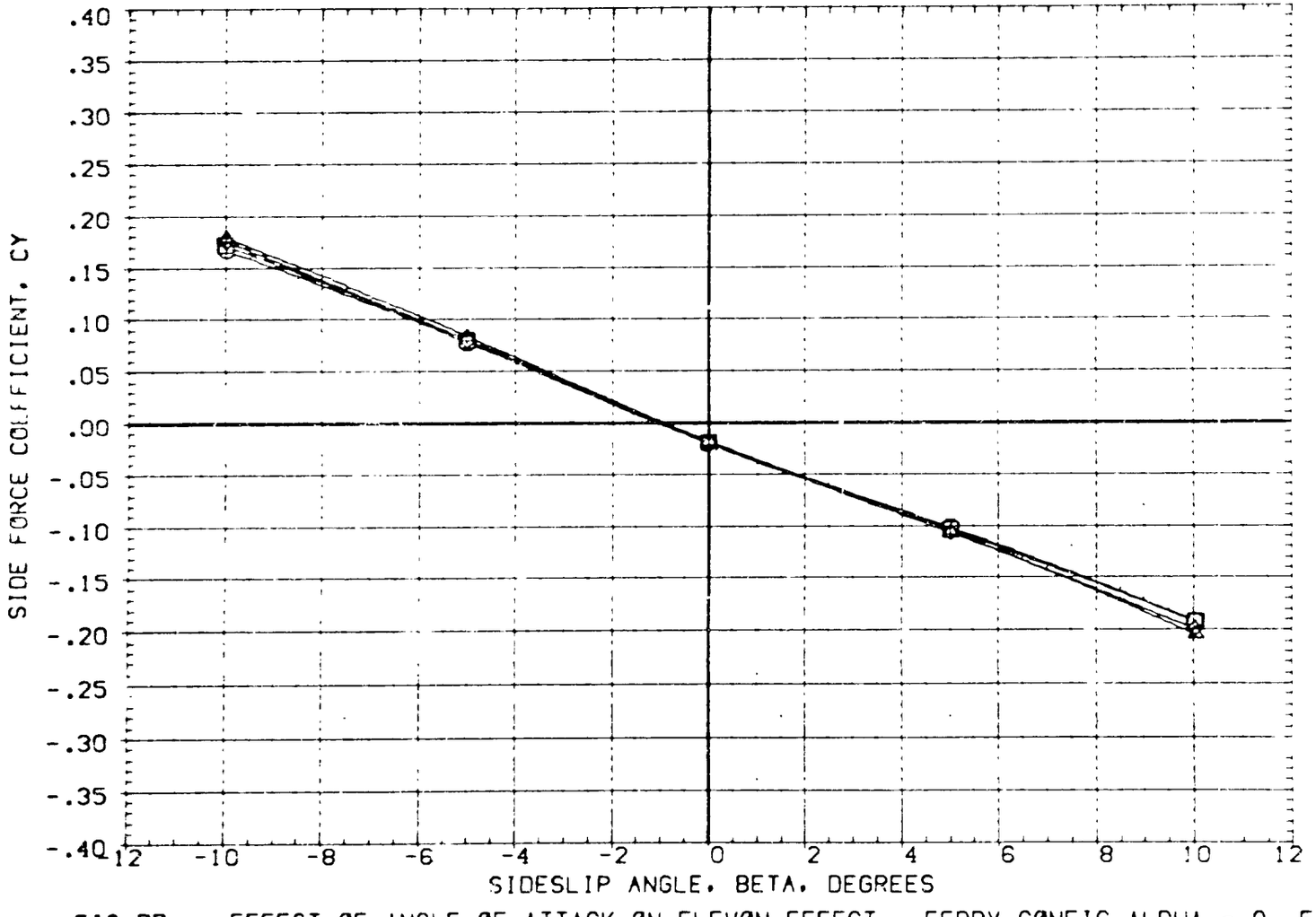



FIG 77 EFFECT OF ANGLE OF ATTACK ON ELEVON EFFECT., FERRY CONFIG ALPHA = 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ALPHA | ELEVON | RUDDER | SPOILER |
|---|---|---|---|---|---|---|---|---|
| (RUN281) | □ | CA86 | B49C9 | W116E26V8R5X9 | .000 | .000 | .000 | .000 |
| (RUN296) | ◇ | CA86 | B49C9 | W116E26V8R5X9 | .000 | 5.000 | .000 | .000 |
| (RUN282) | △ | CA86 | B49C9 | W116E26V8R5X9 | 5.000 | .000 | .000 | .000 |
| (RUN297) | ▽ | CA86 | B49C9 | W116E26V8R5X9 | 5.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| ZMRP | .0000 | INCHES |
| ZMRP | 5.1875 | INCHES |
| SCALE | .0405 | SCALE |

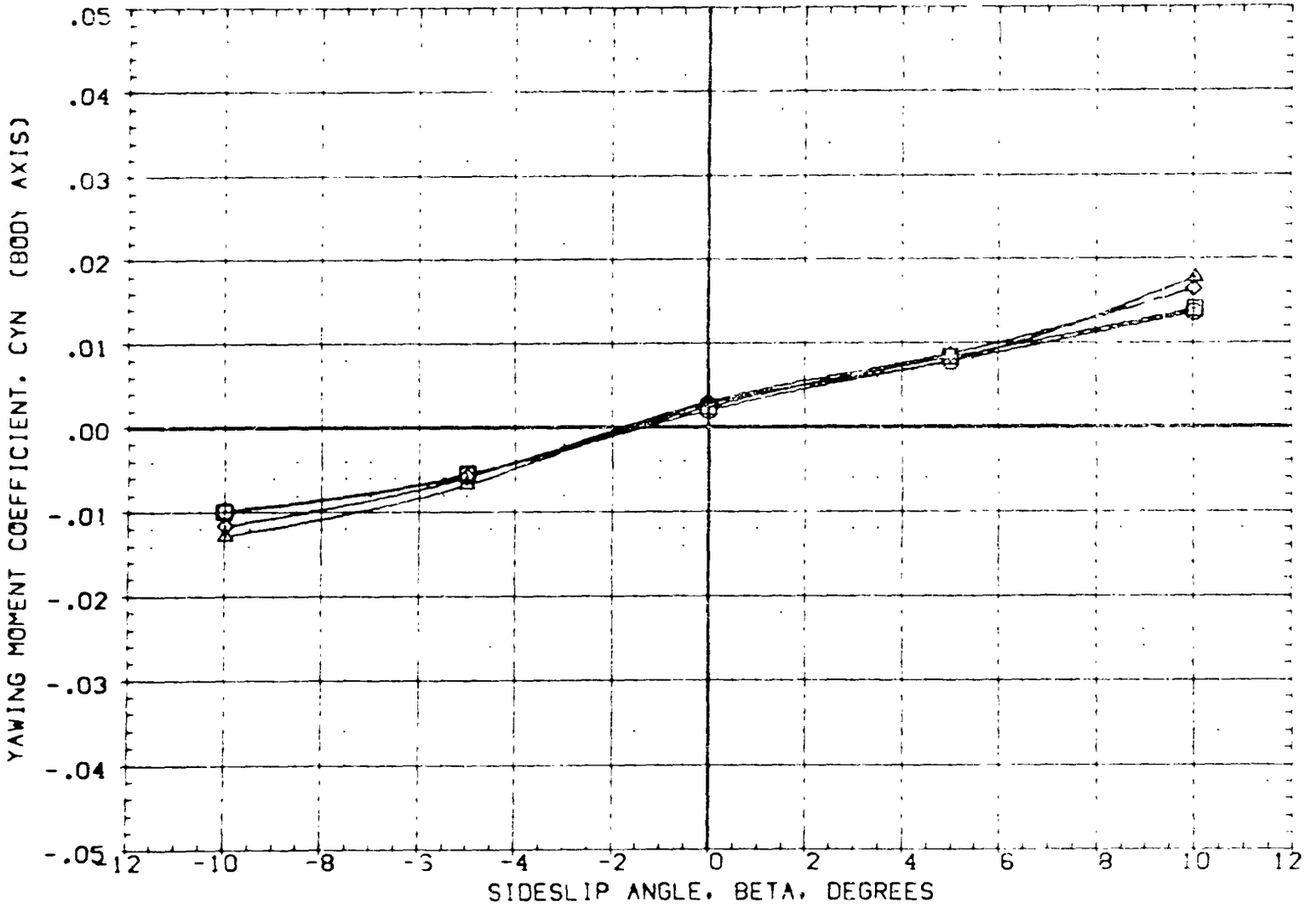



FIG 77 EFFECT OF ANGLE OF ATTACK ON ELEVON EFFECT., FERRY CONFIG ALPHA 0, 5

(A)MACH = .20

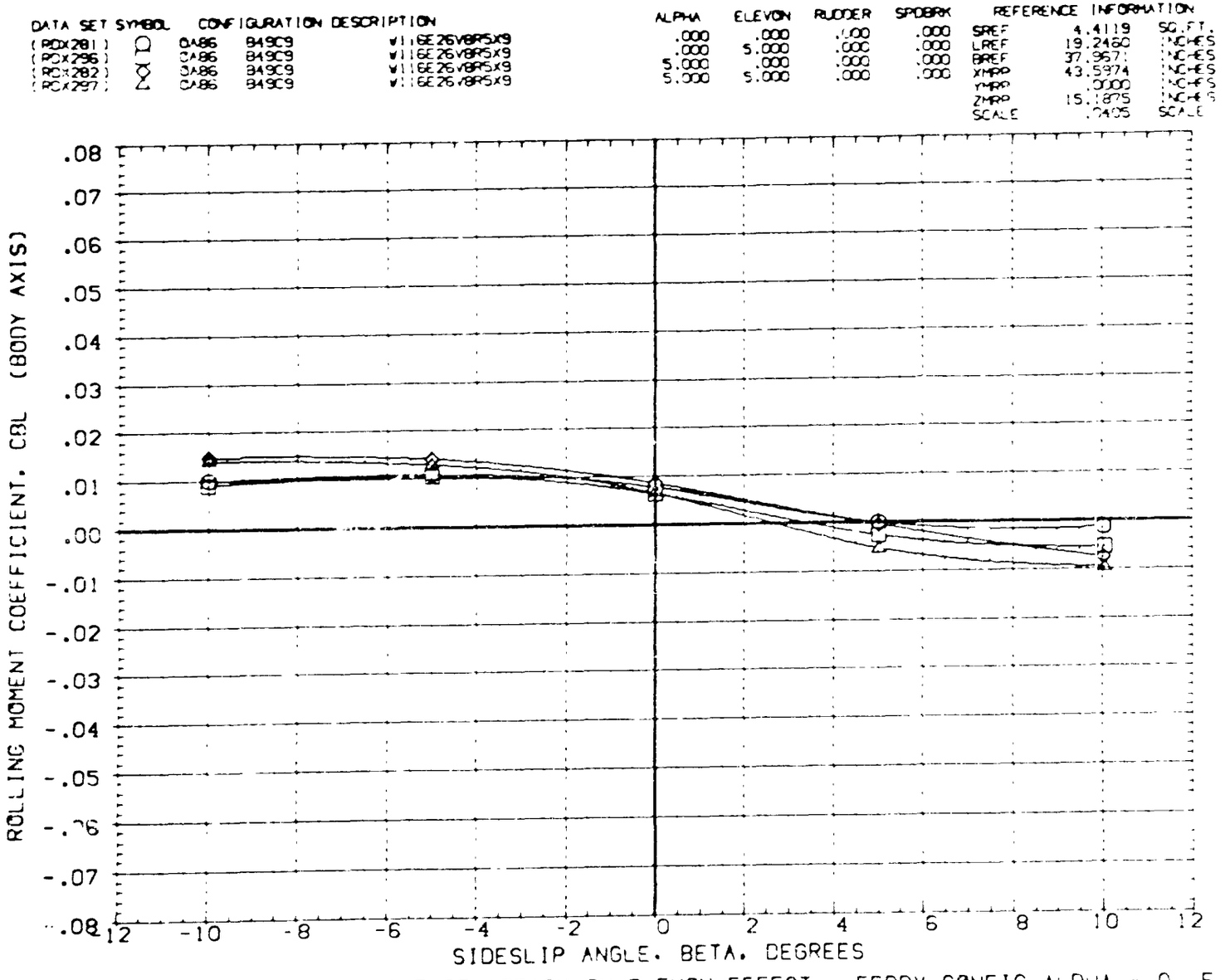



FIG 77 EFFECT OF ANGLE OF ATTACK ON ELEVON EFFECT., FERRY CONFIG ALPHA = 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONF. | DURATION | DESCRIPTION |
|---|---|---|---|---|
| (RDX283) | □ | 3A86 | B43C9 | W1.6E26V8R5X9 |
| (RDX298) | | 3A86 | B43C9 | W1.6E26V8R5X9 |
| (RDX284) | ◇ | 3A86 | B43C9 | W1.6E26V8R5X9 |
| (RDX299) | | 3A86 | B43C9 | W1.6E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOILER |
|---|---|---|---|
| 10.000 | .000 | .000 | .000 |
| 10.000 | 5.000 | .000 | .000 |
| 15.000 | .000 | .000 | .000 |
| 15.000 | 5.000 | .000 | .000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2456 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | -5.1875 | INCHES |
| SCALE | .0405 | SCALE |

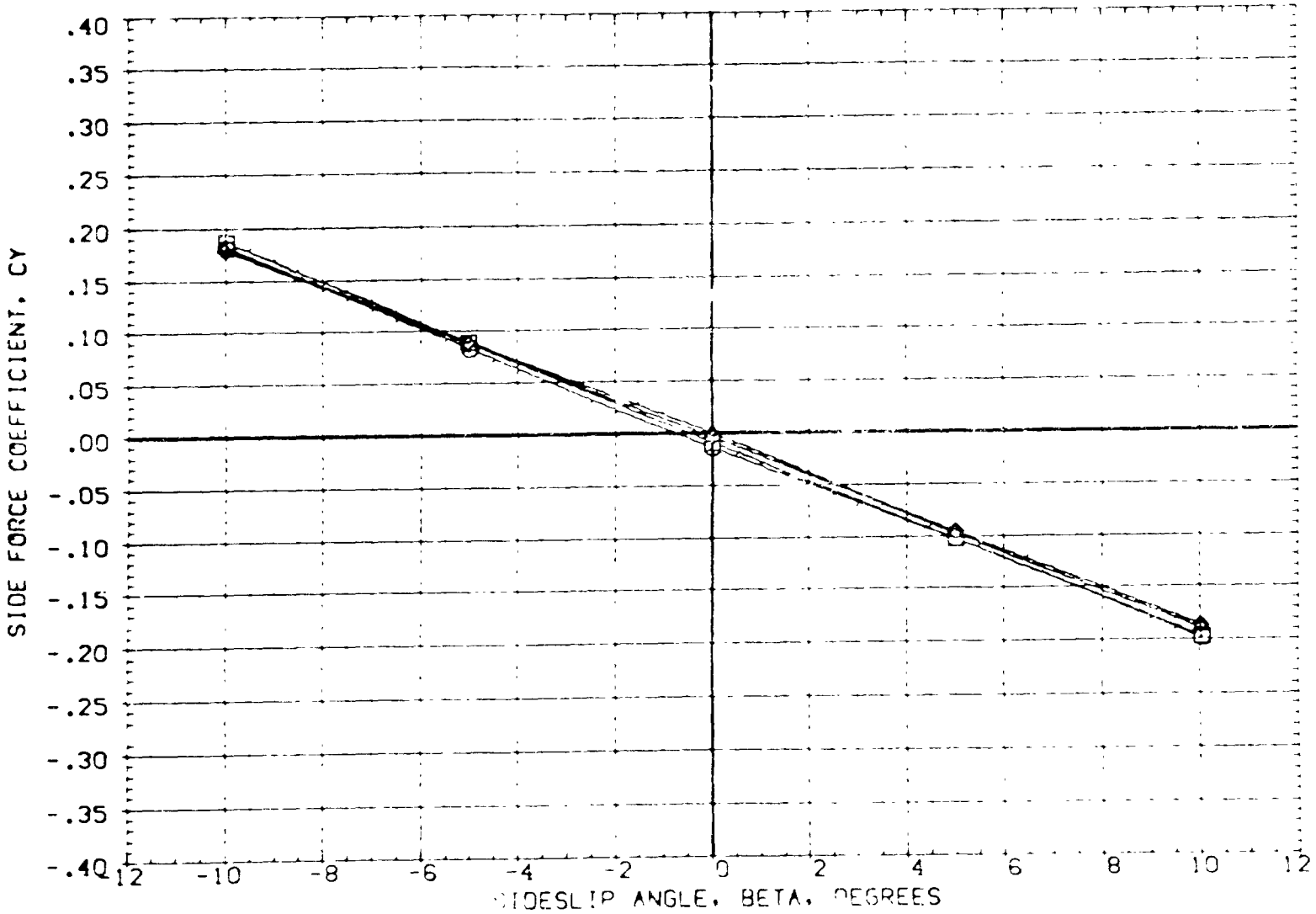



FIG 78 EFFECT OF ANGLE OF ATTACK ON ELEVON EFFECT., FERRY CONFIG ALPHA D.T

(A)MACH = .20

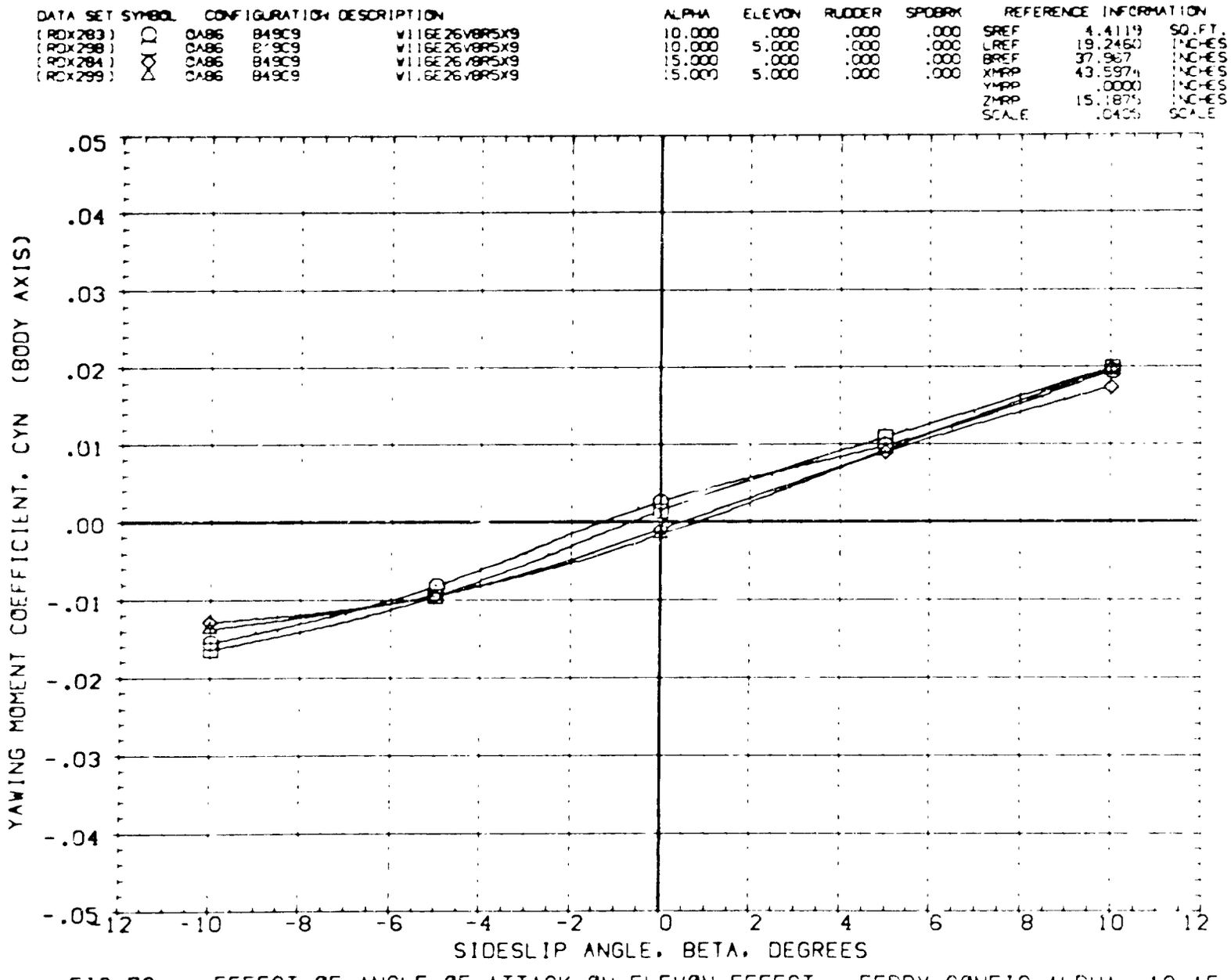



FIG 78 EFFECT OF ANGLE OF ATTACK ON ELEVON EFFECT., FERRY CONFIG ALPHA =10,15

(A)MACH = .20

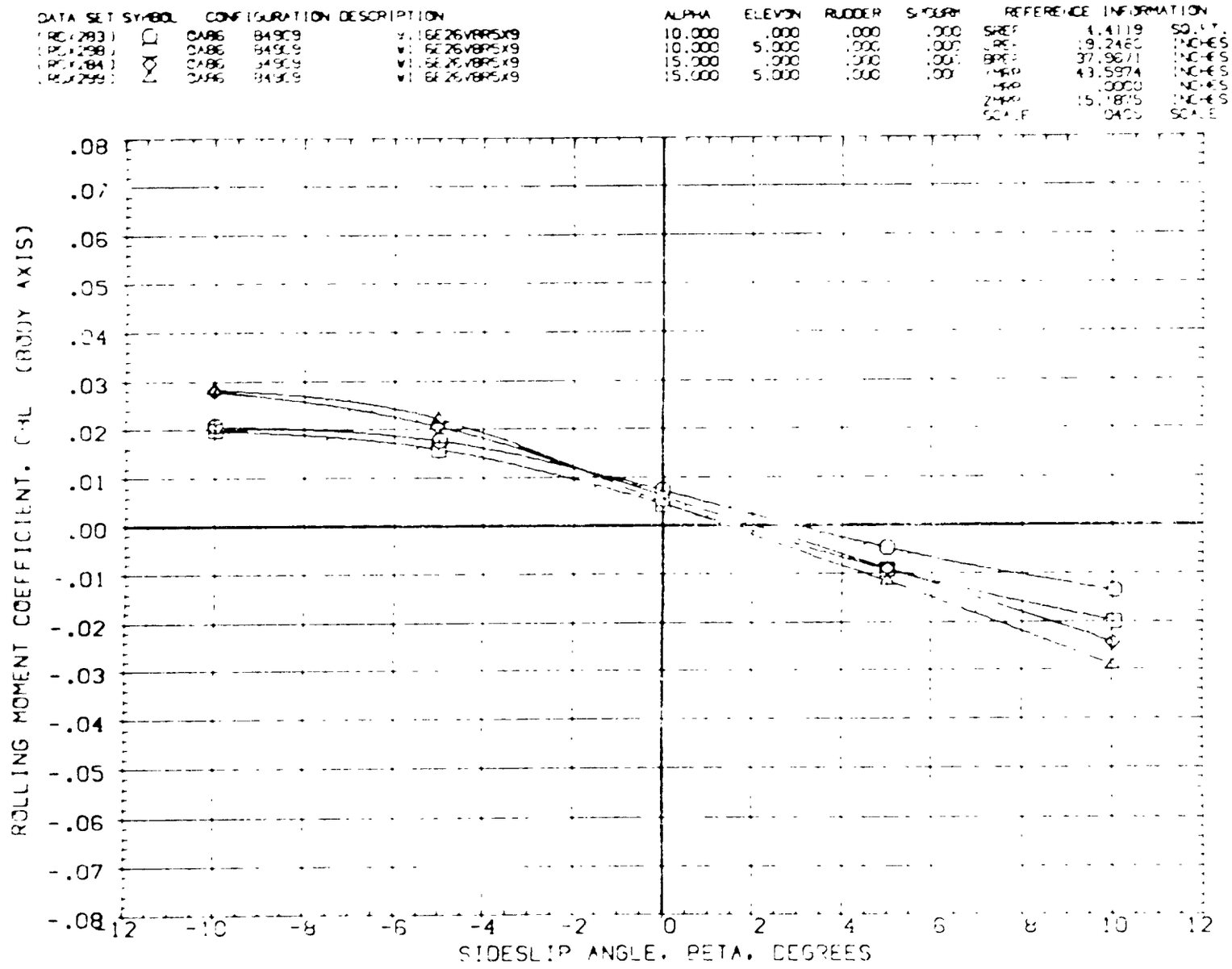



FIG 78 EFFECT OF ANGLE OF ATTACK ON ELEVON EFFECT., FERRY CONFIG ALPHA =0.15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION |
|---|---|---|---|
| (ADX280) | ○ | OA86 B49C9 | W1:6E26V8R5X9 |
| (ADX285) | □ | OA86 B49C9 | W1:6E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | | .000 | .000 |
| .000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2450 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0435 | SCALE |

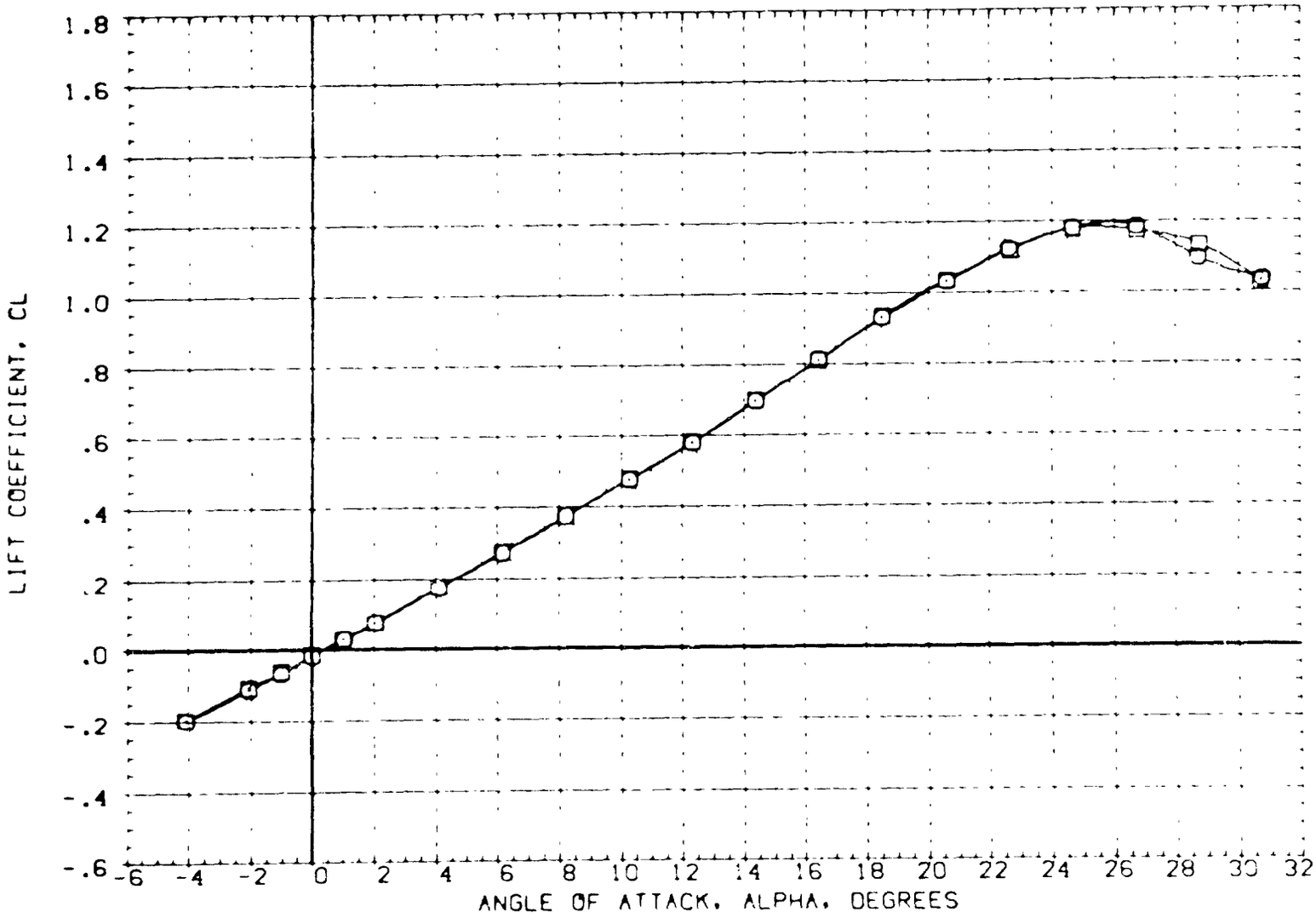



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = 20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| ADX280 | □ | 0A86 | 849C9 | W11&E26V8R5X9 | .000 | | .000 | .000 |
| ADX295 | □ | 0A86 | 849C9 | W11&E26V8R5X9 | .000 | | -7.960 | .000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9627 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1805 | INCHES |
| SCALE | .0405 | SCALE |

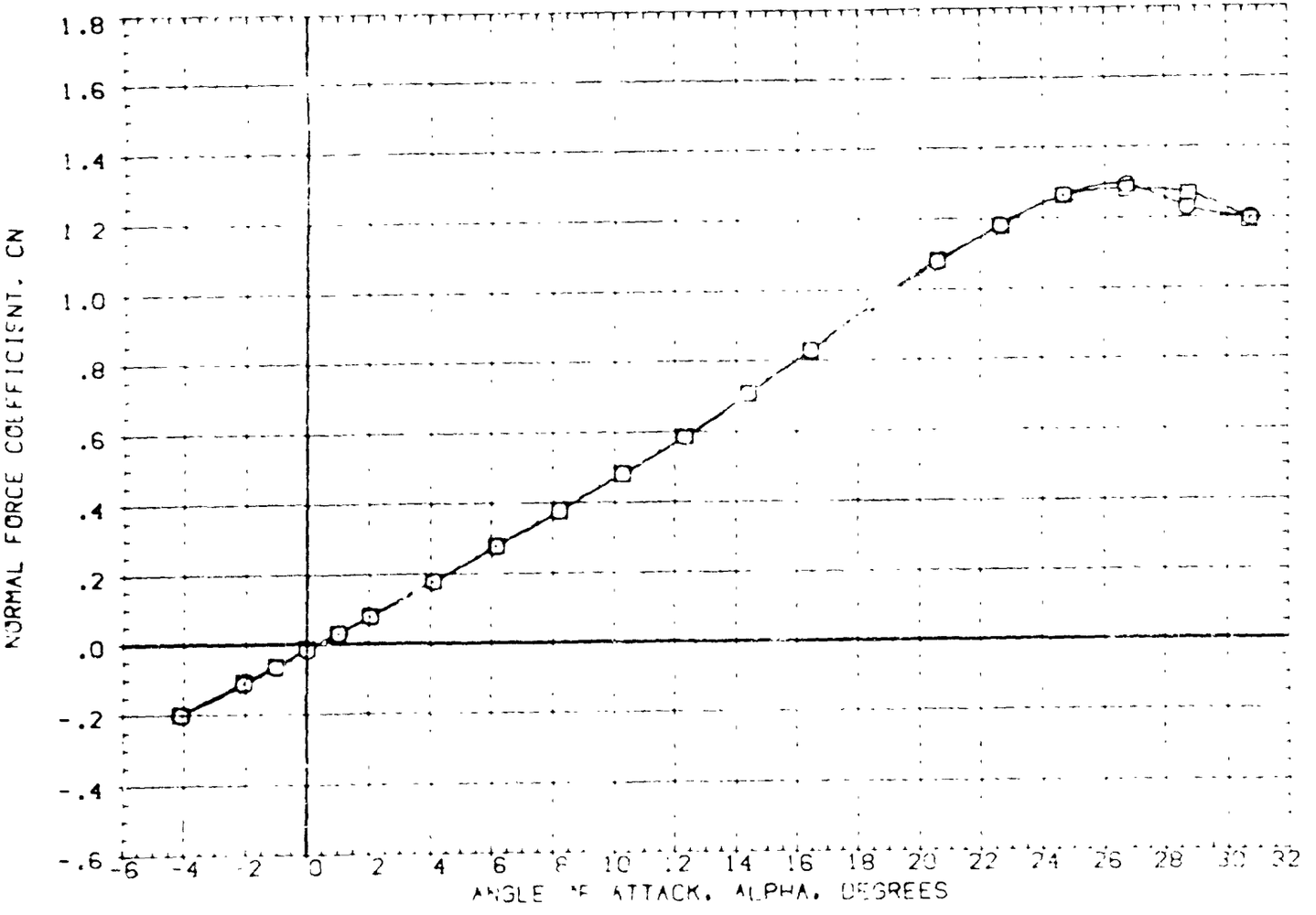



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (ADX280) | | 0A86 | 849C9 | W116E26V8R5X9 | .000 | | .000 | .000 |
| (ADX285) | | 0A86 | 849C9 | W116E26V8R5X9 | .000 | | -.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | 0.000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

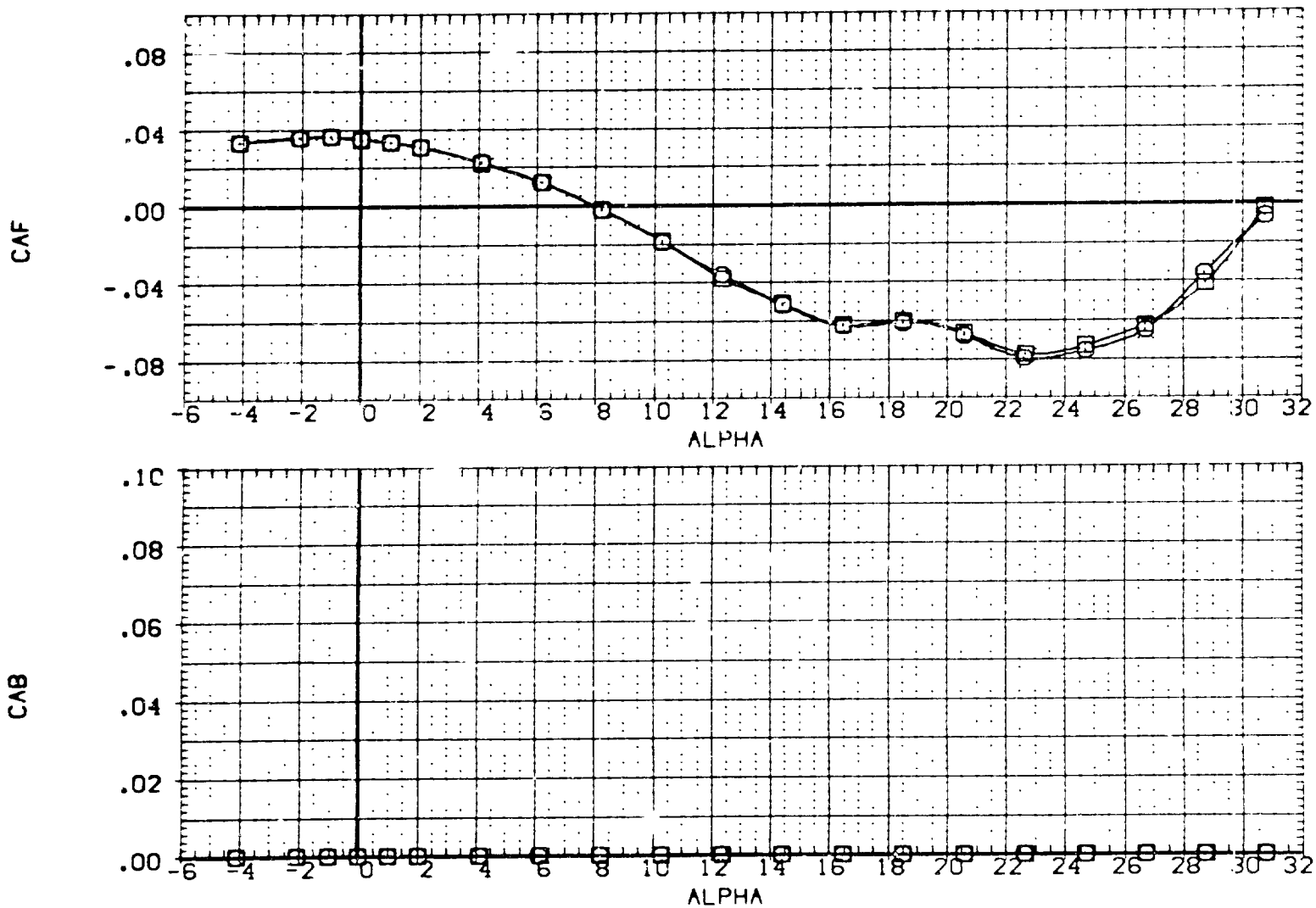



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

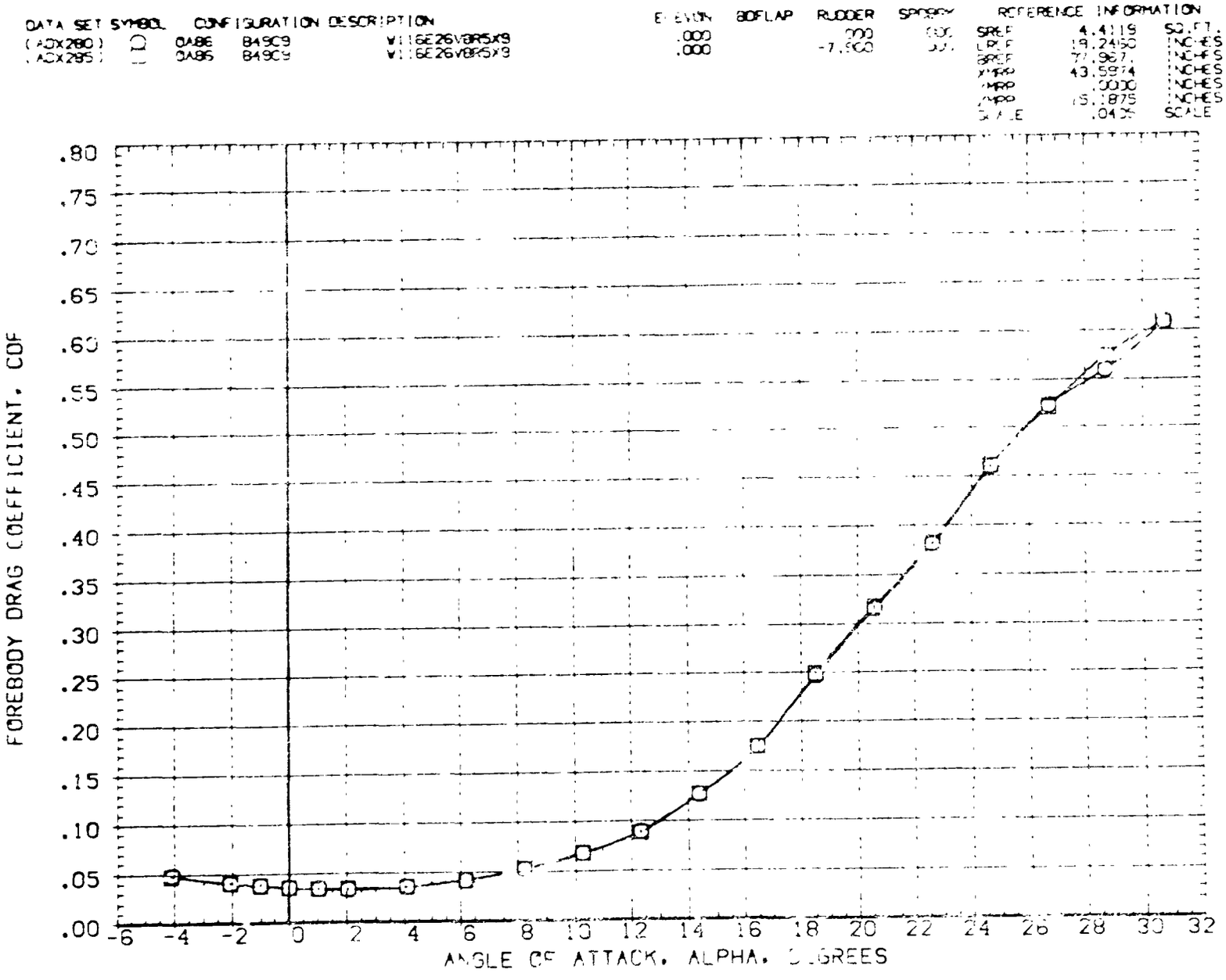



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET SYMBOL | | CONFIGURATION DESCRIPTION | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|
| (ADX280) | □ | CA86 | B49C9 | W11GE26V8R5X9 | .000 | | .000 | .000 |
| (ADX285) | □ | CA86 | B49C9 | W11GE26V8R5X9 | .000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 5.1875 | INCHES |
| SCALE | .0405 | SCALE |

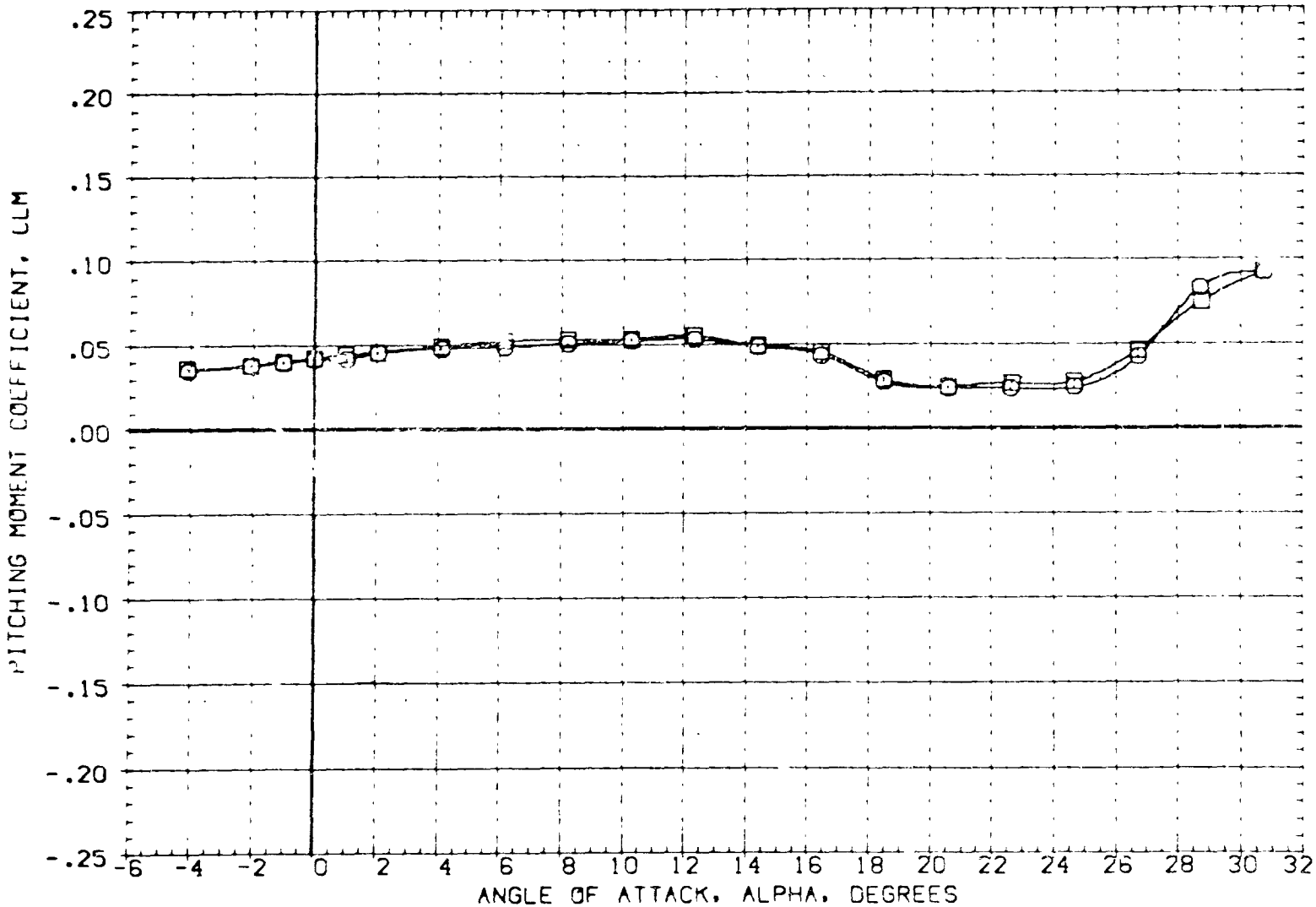



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (ADX280) | ○ | 1AB6 | B49C9 | W11GE26V8R5X9 |
| (ADX285) | □ | 0AB6 | B49C9 | W11GE26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | | .000 | .000 |
| .000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

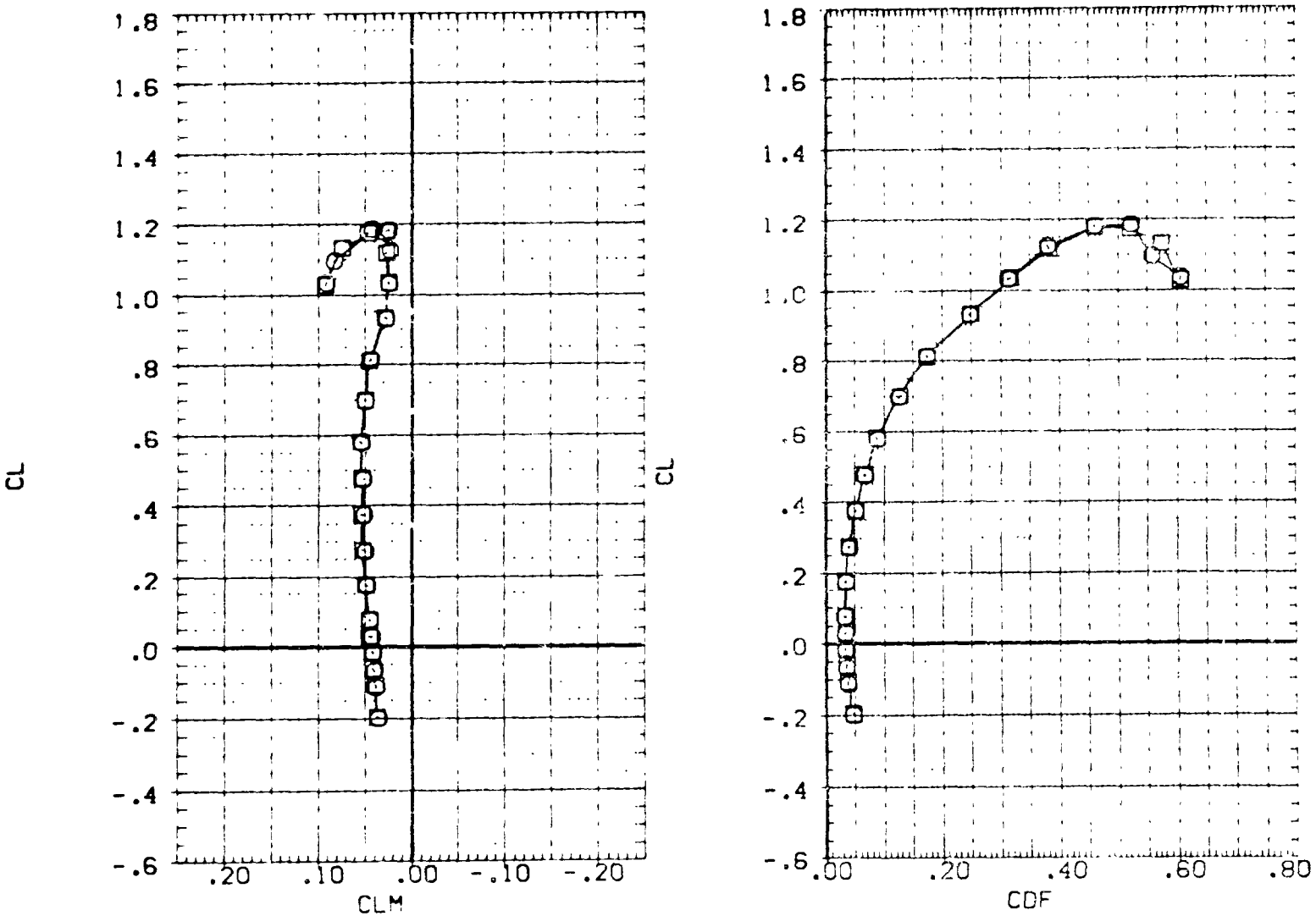



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

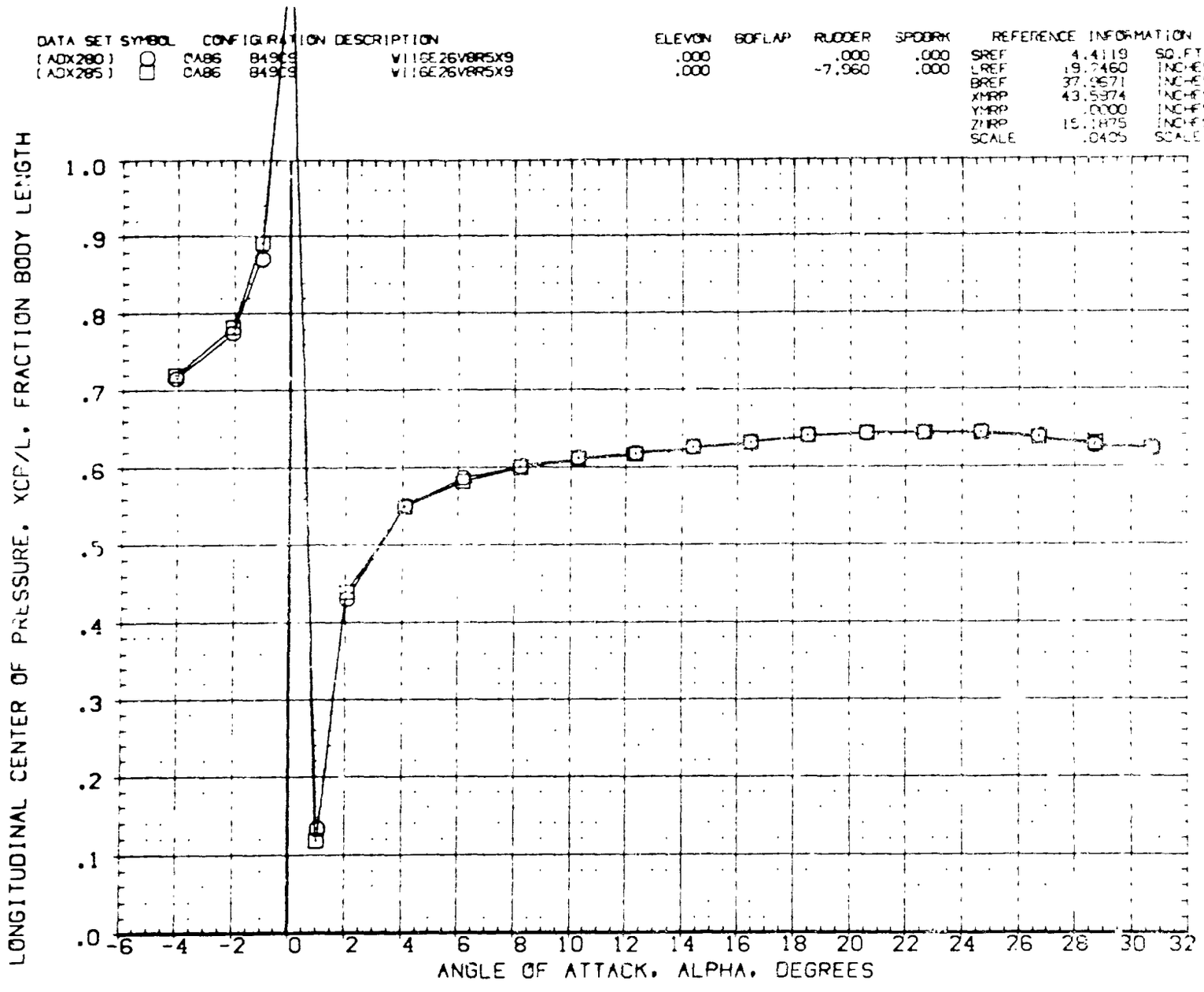



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (ADX280) | □ | 0A86 | B49C9 | W1I6E26V8R5X9 |
| (ADX285) | □ | 0A86 | B49C9 | W1I6E26V8R5X9 |

| ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | | .000 | .000 |
| .000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ. INCHES |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

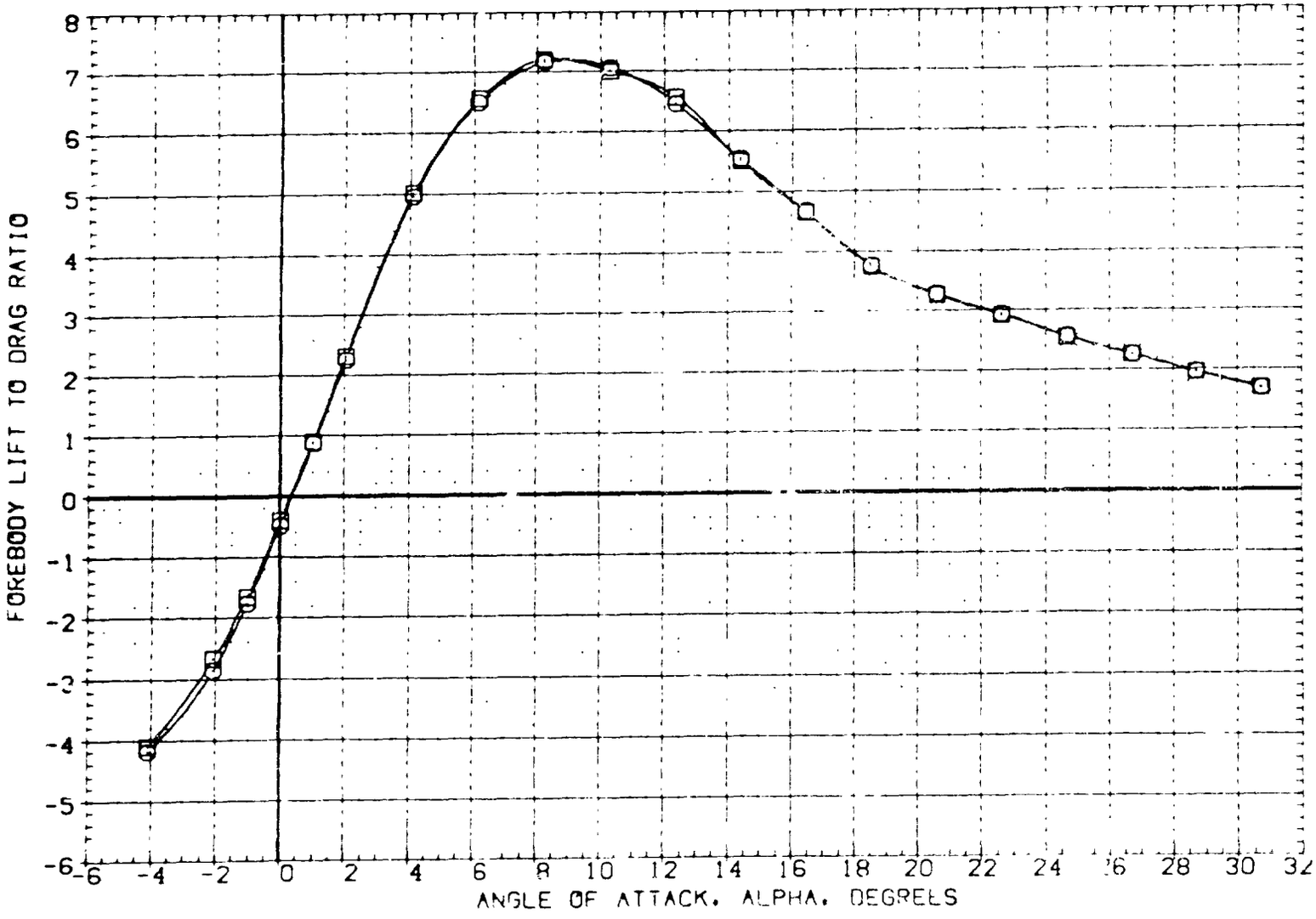



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

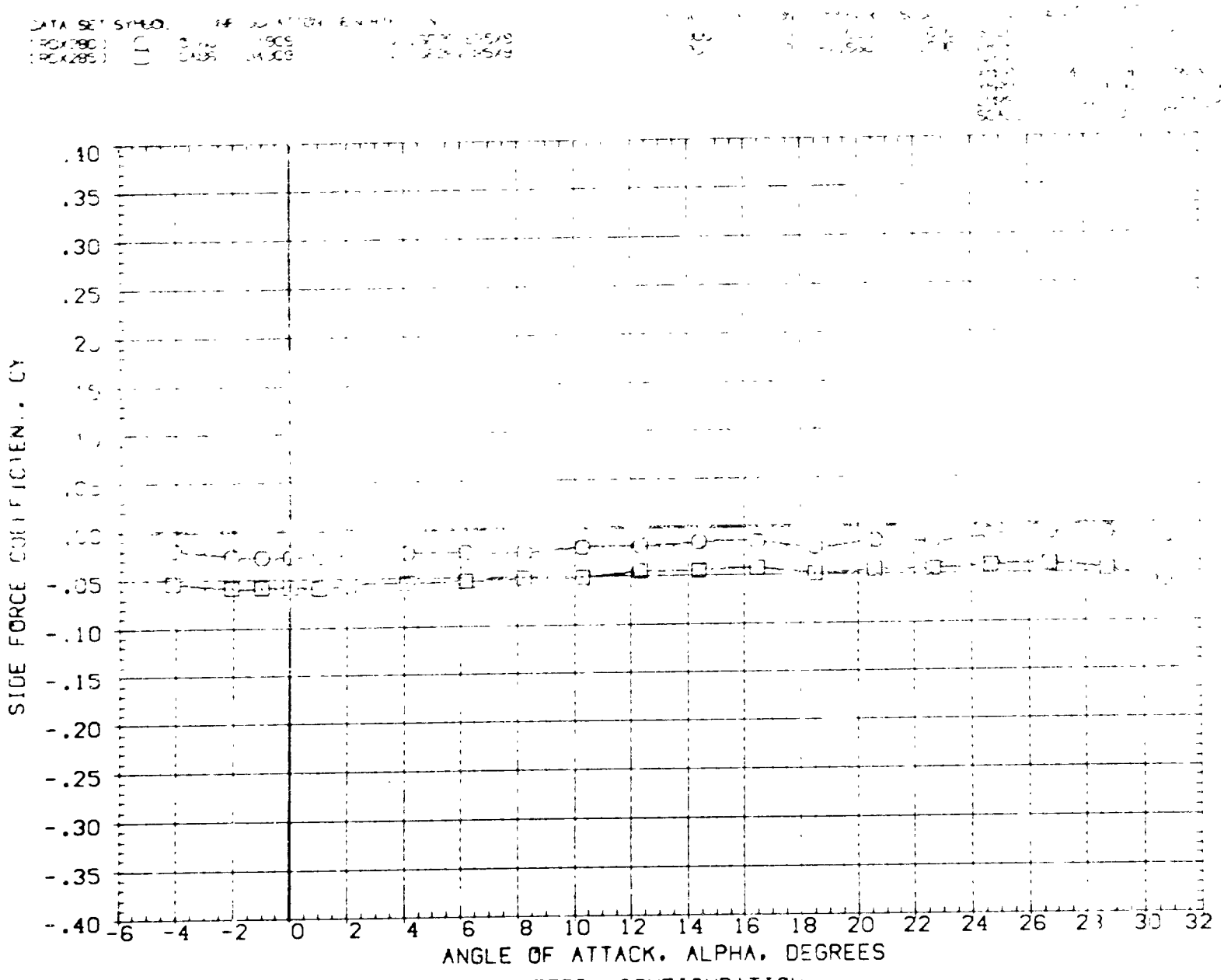



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | BETA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|
| (RDX280) ○ | 0A86 849C9 W116E26V8R5X9 | .000 | .000 | .000 | .000 |
| (RDX285) □ | 0A86 849C9 W116E26V8R5X9 | .000 | .000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

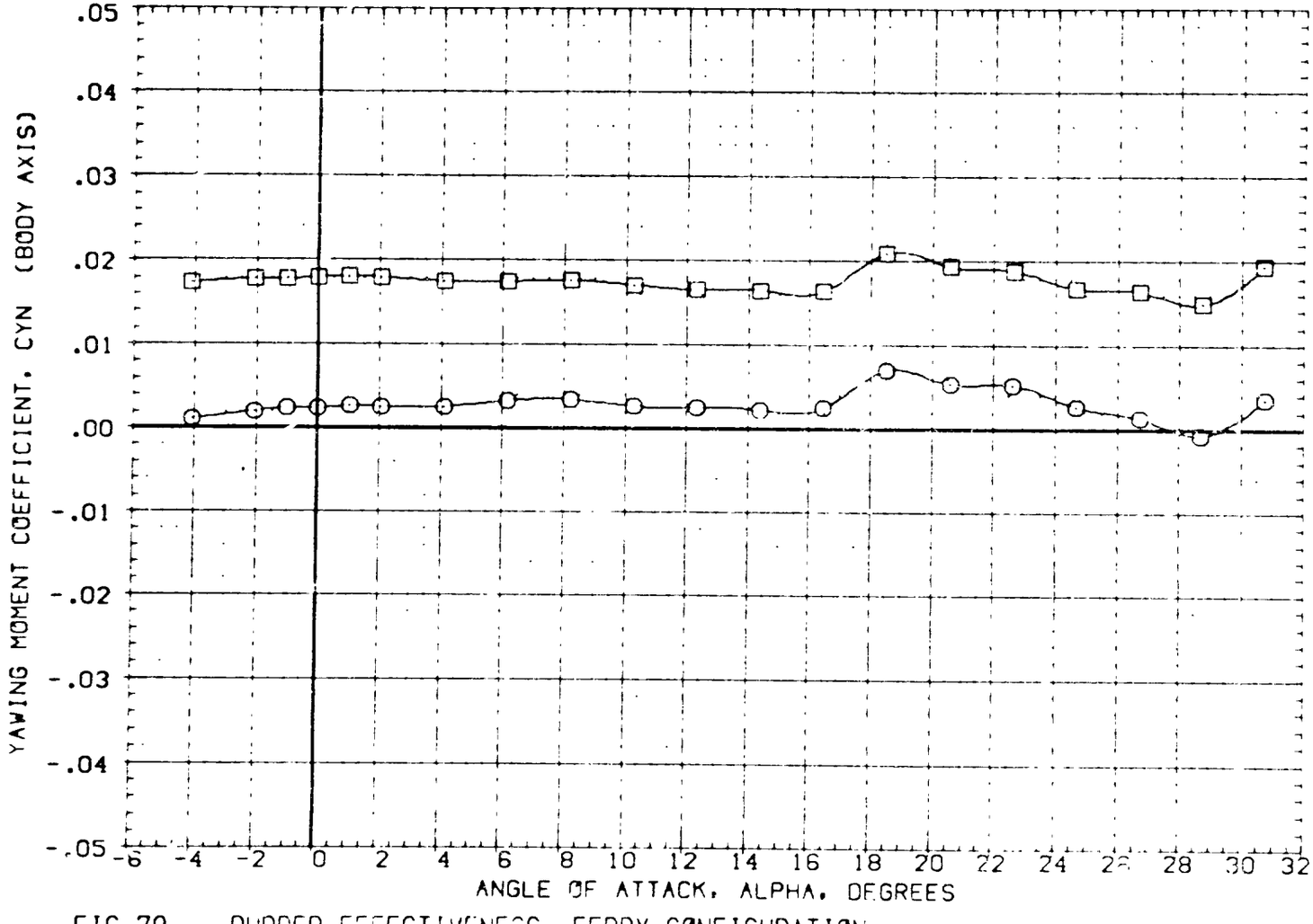



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

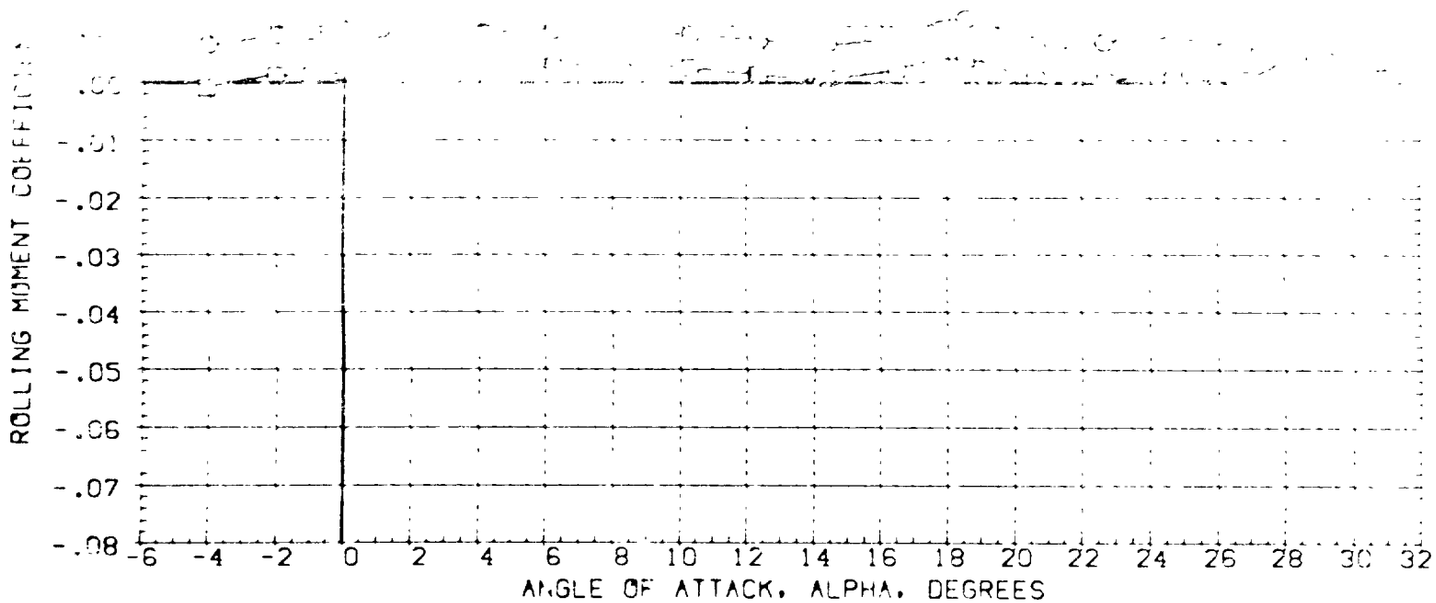



FIG 79 RUDDER EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION |
|---|---|---|---|
| (RDx281) | □ | DA86 B49C9 | W11GE26V8R5X9 |
| (RDx286) | ◇ | DA86 B49C9 | W11GE26V8R5X9 |
| (RDx282) | ▽ | DA86 B49C9 | W11GE26V8R5X9 |
| (RDx287) | △ | DA86 B49C9 | W11GE26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | .000 | .000 | .000 |
| .000 | .000 | -7.960 | .000 |
| 5.000 | .000 | .000 | .000 |
| 5.000 | .000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4113 | SQ.FT. |
| LREF | 9.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0400 | SCALE |

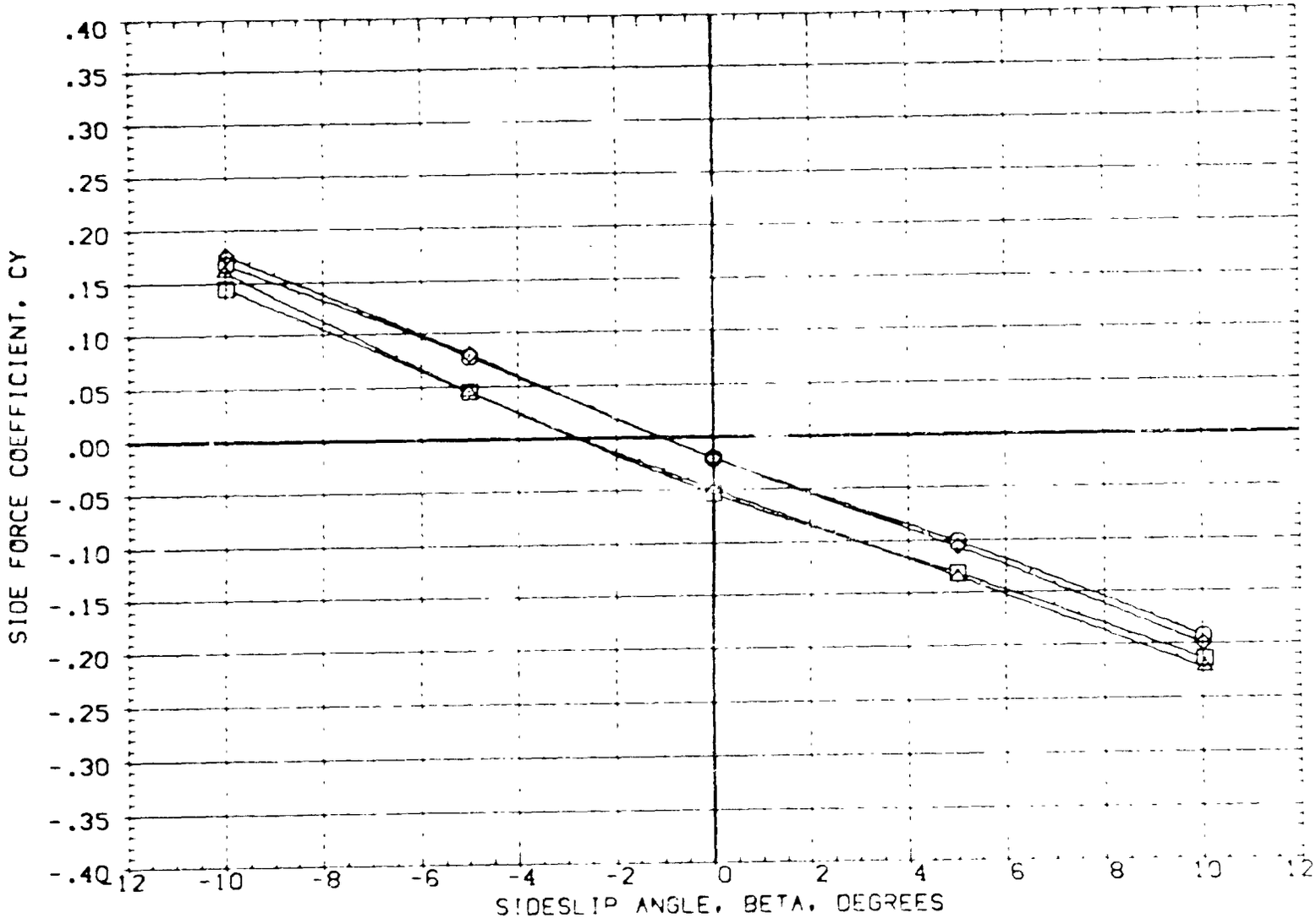



FIG 80 EFFECT OF ANGLE OF ATTACK ON RUDDER EFFECT., FERRY CONFIG.ALPHA = 0, 5

(A)MACH = .20

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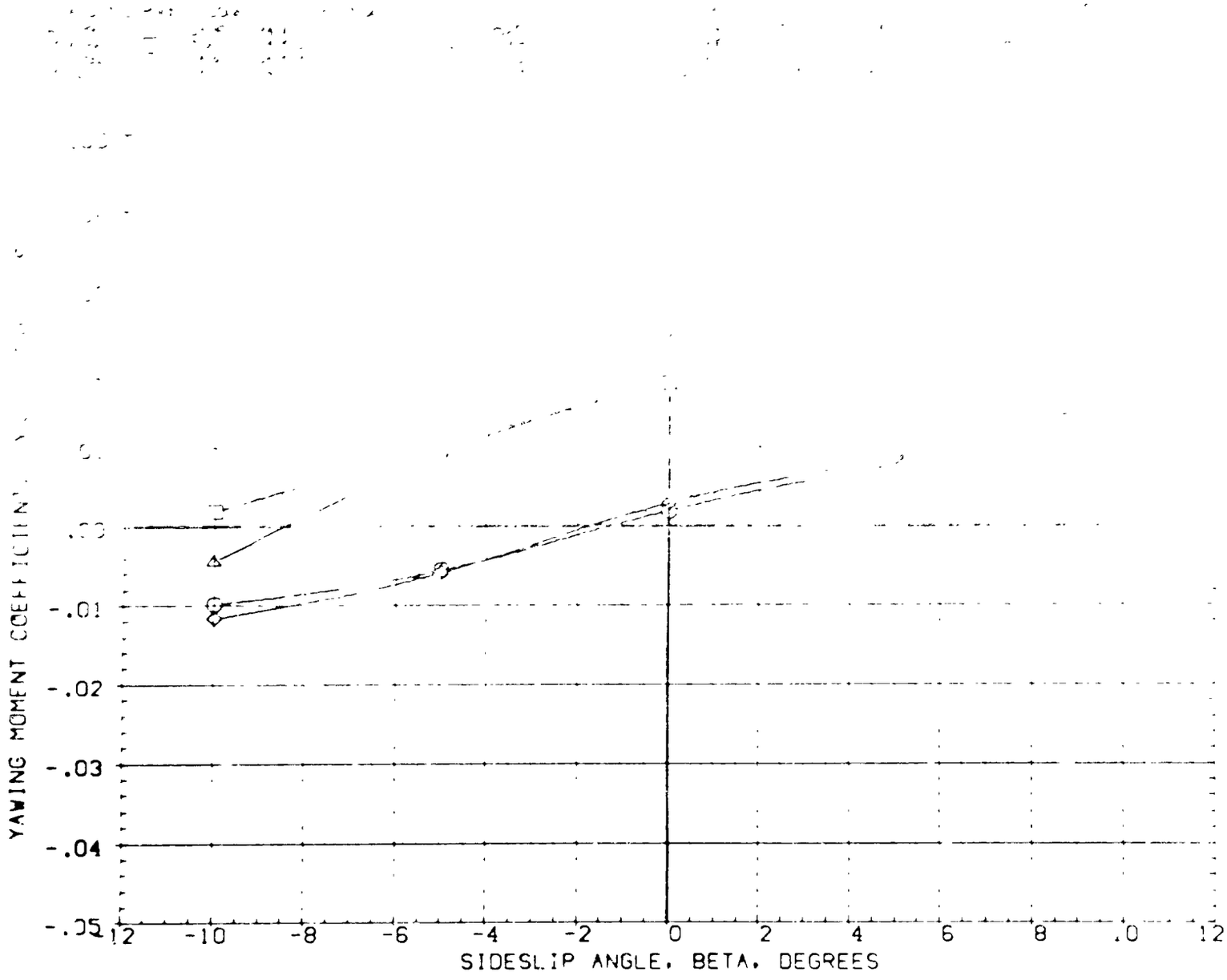



FIG 80 EFFECT OF ANGLE OF ATTACK ON RUDDER EFFECT., FERRY CONFIG.ALPHA = 0. 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (RGX28.) | ○ | CA86 | B49C9 | W1I6E26V8R5X9 | .000 | .000 | .000 | .000 |
| (RGX286) | □ | CA86 | B49C9 | W1I6E26V8R5X9 | .000 | .000 | -7.960 | .000 |
| (RGX282) | △ | CA86 | B49C9 | W1I6E26V8R5X9 | 5.000 | .000 | .000 | .000 |
| (RGX287) | ◇ | CA86 | B49C9 | W1I6E26V8R5X9 | 5.000 | .000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

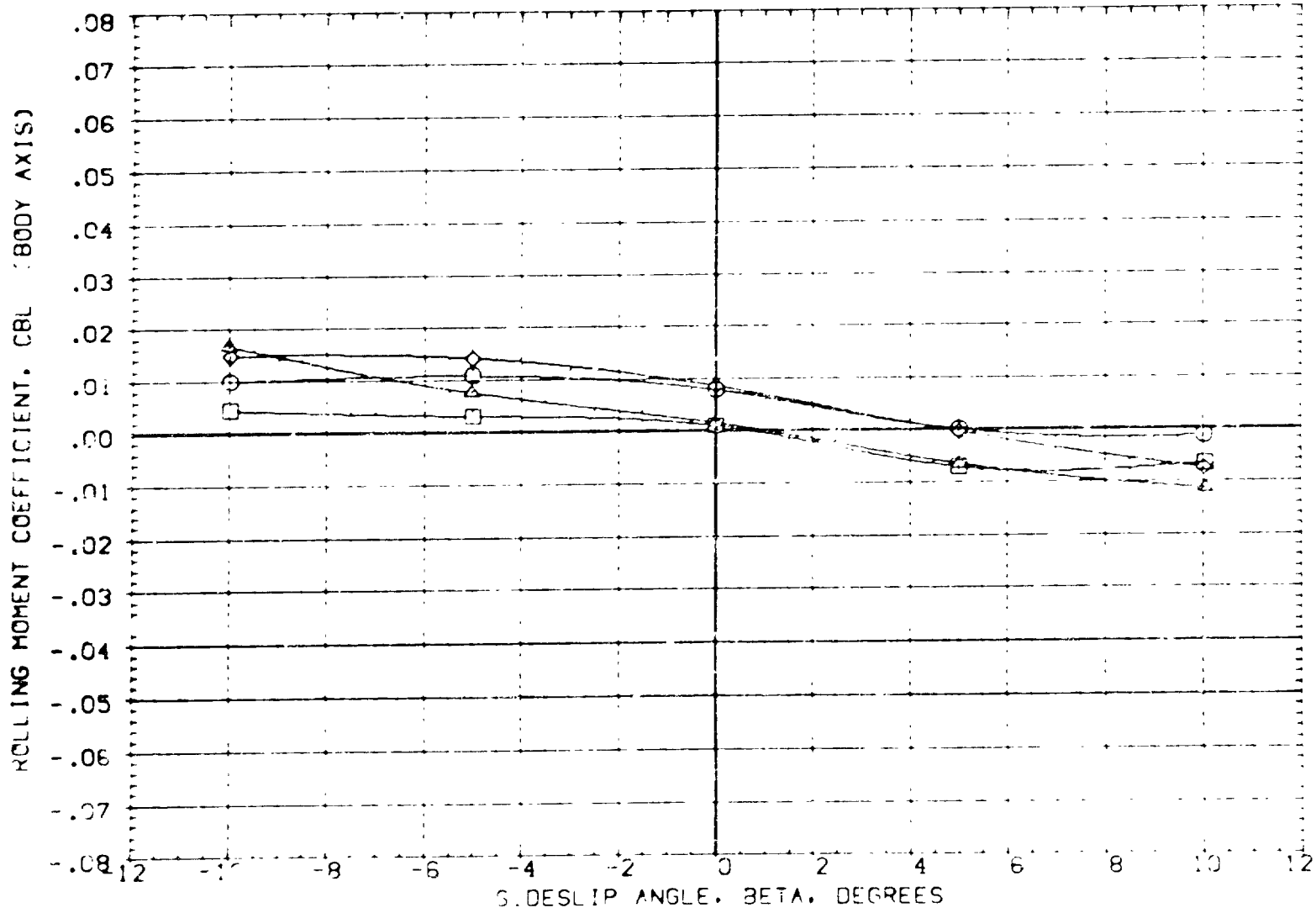



FIG 80 EFFECT OF ANGLE OF ATTACK ON RUDDER EFFECT., FERRY CONFIG.ALPHA = 0, 5

(A)MACH = .20

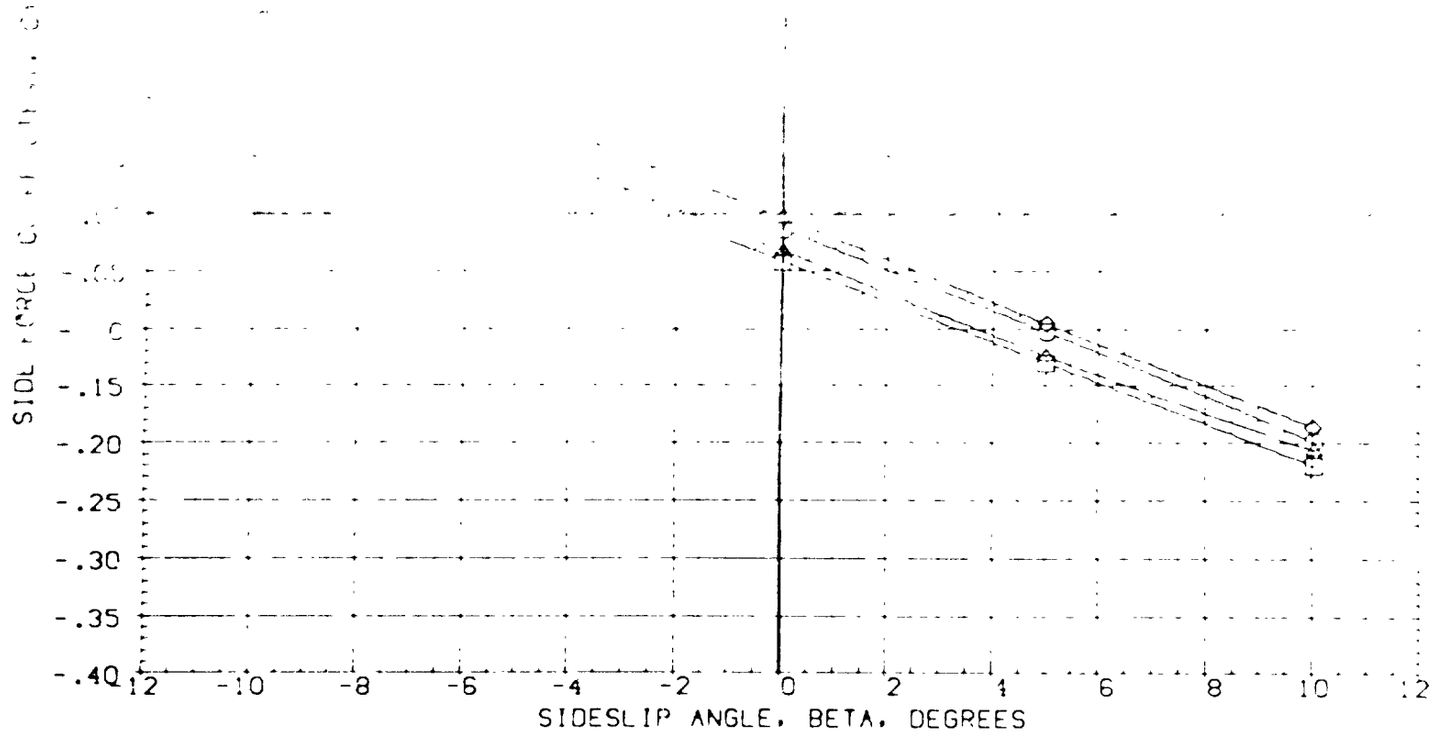



FIG 81 EFFECT OF ANGLE OF ATTACK ON RUDDER EFFECT., FERRY CONFIG.ALPHA =10.15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (RUN 283) | □ | CA86 | 849C9 | W116E26V8R5X9 |
| (RUN 288) | ◇ | CA86 | 849C9 | W116E26V8R5X9 |
| (RUN 284) | △ | CA86 | 849C9 | W116E26V8R5X9 |
| (RUN 289) | ○ | CA86 | 849C9 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | .000 |
| 10.000 | .000 | -7.960 | .000 |
| 15.000 | .000 | .000 | .000 |
| 15.000 | .000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4113 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.967 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0403 | SCALE |

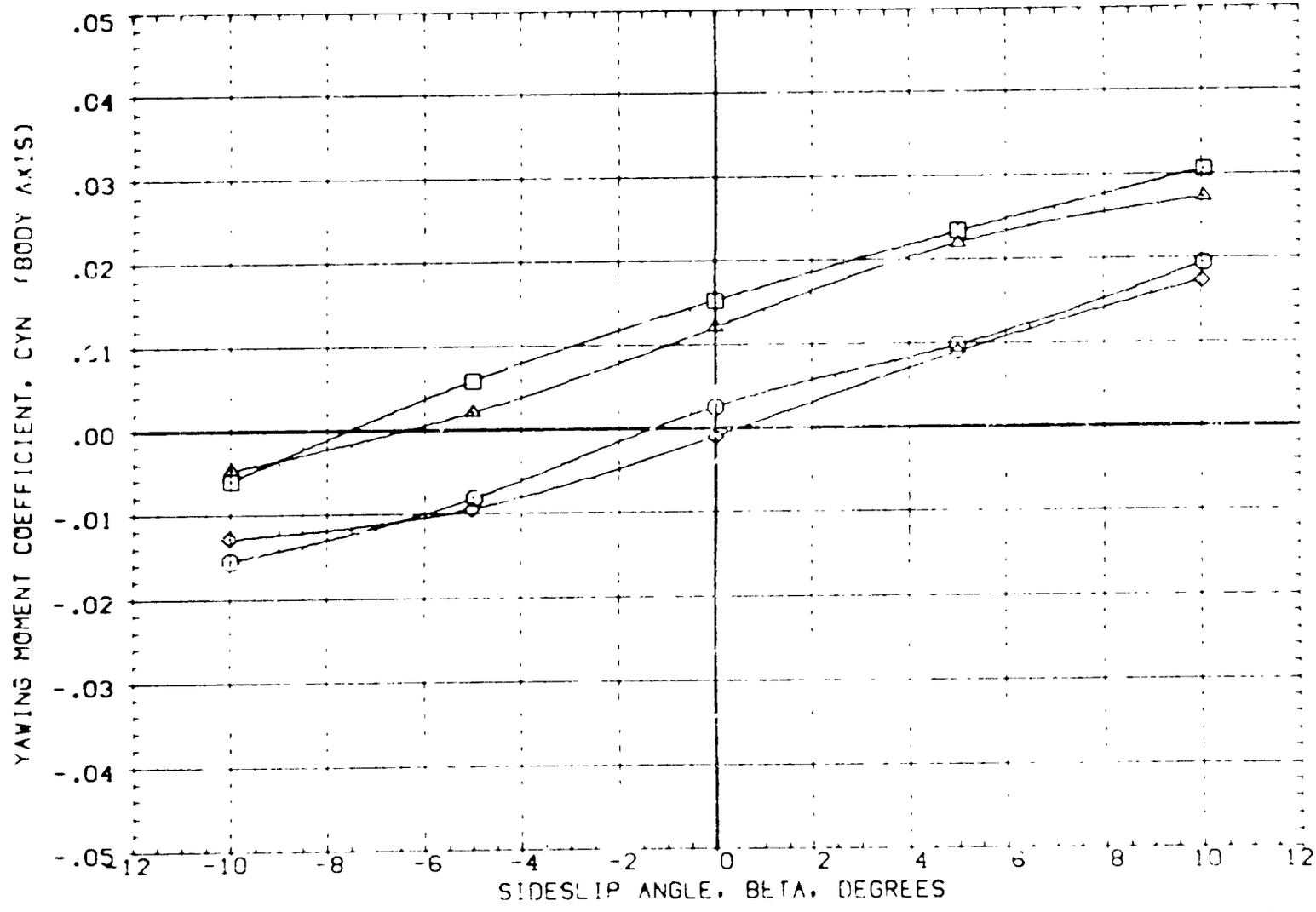



FIG 81 EFFECT OF ANGLE OF ATTACK ON RUDDER EFFECT., FERRY CONFIG.ALPHA 10,15

(A)MAC = .20

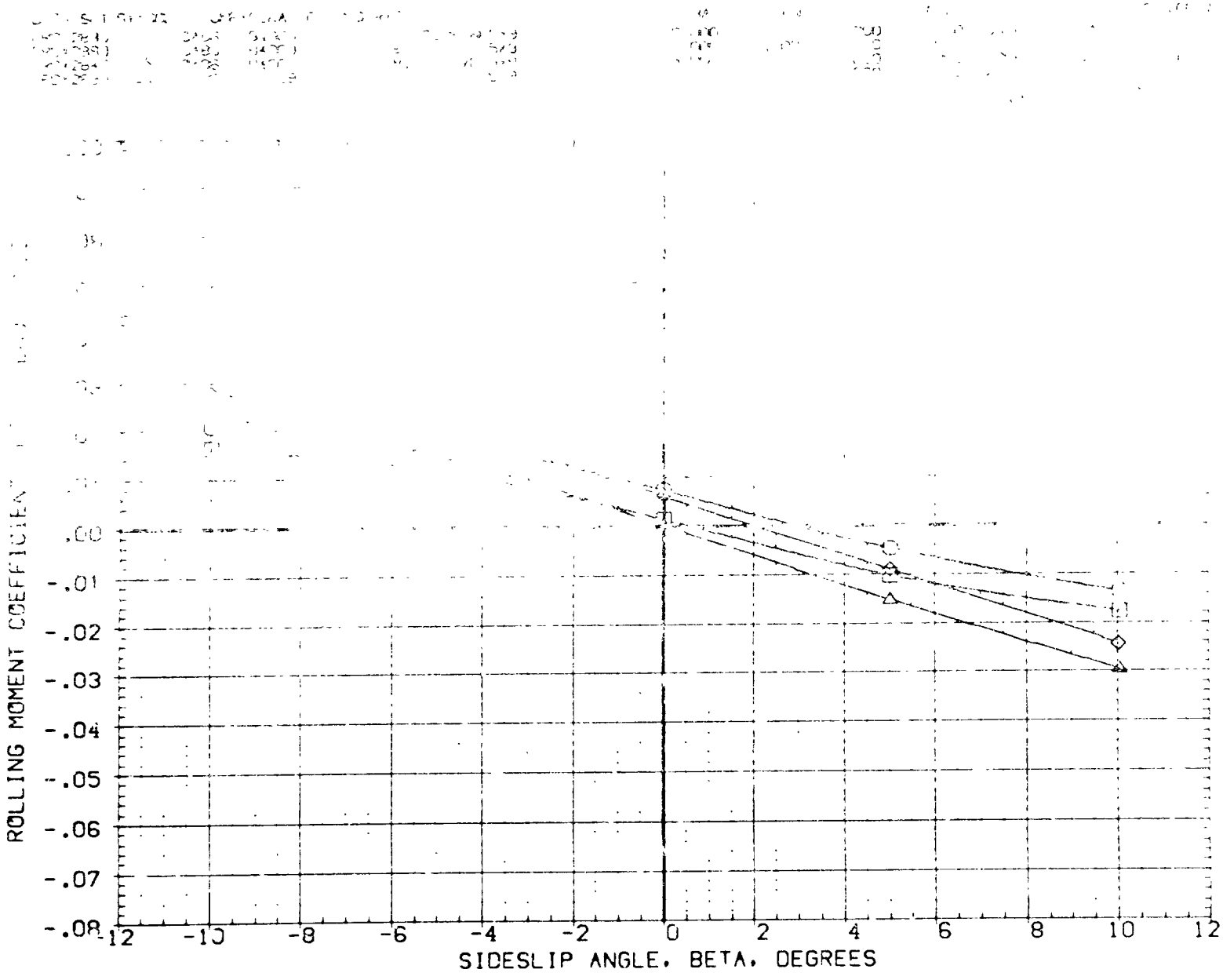



FIG 81 EFFECT OF ANGLE OF ATTACK ON RUDDER EFFECT., FERRY CONFIG.ALPHA =10,15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION | | ELEVON | BDFLAP | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (ADX285) | ○ | 0A8G | B49C9 | W116E26V8R5X9 | .000 | | -7.950 | .000 |
| (ADX290) | □ | 0A86 | B49C9 | W116E26V8R5X9 | 5.000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

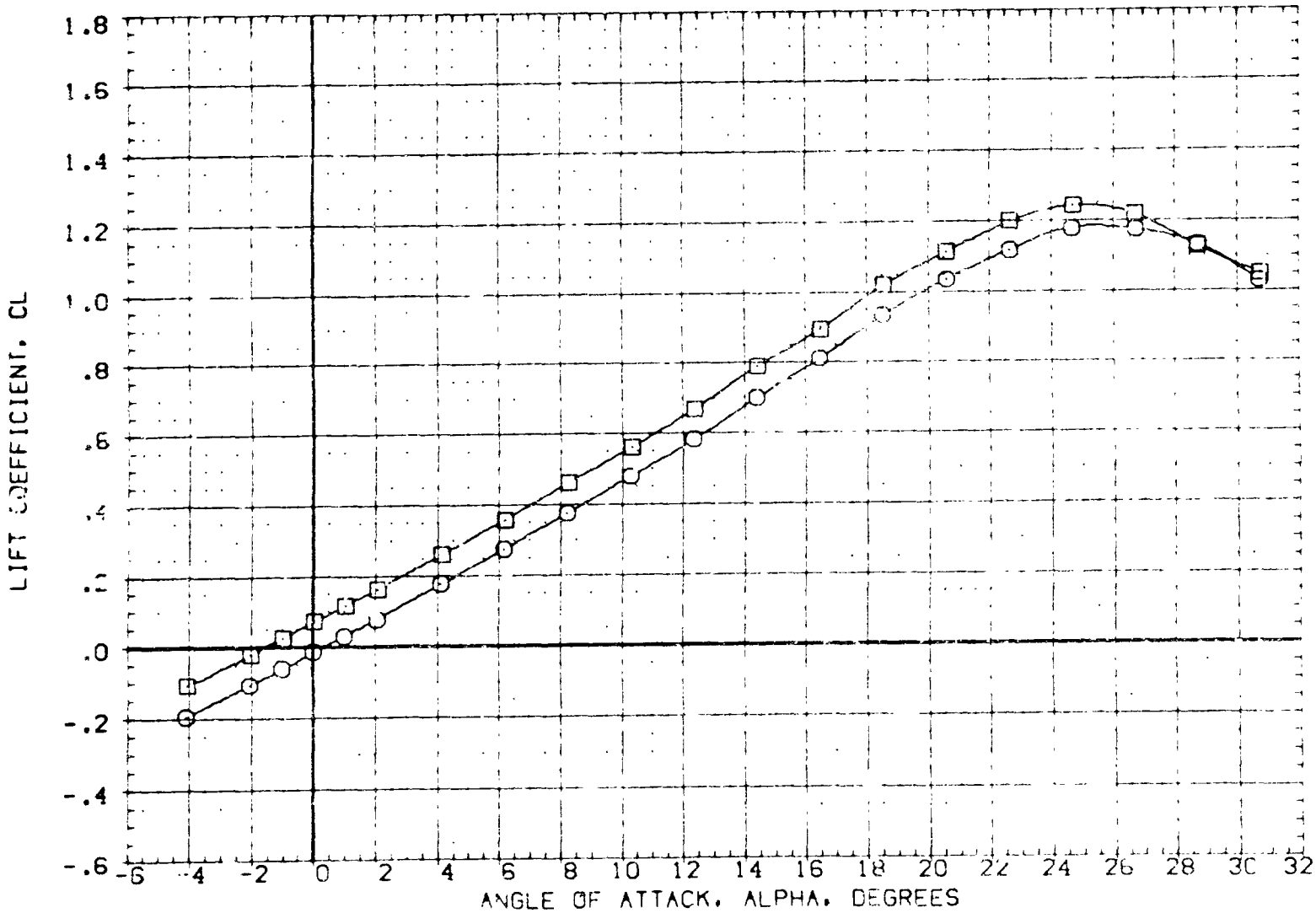



FIG 62 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

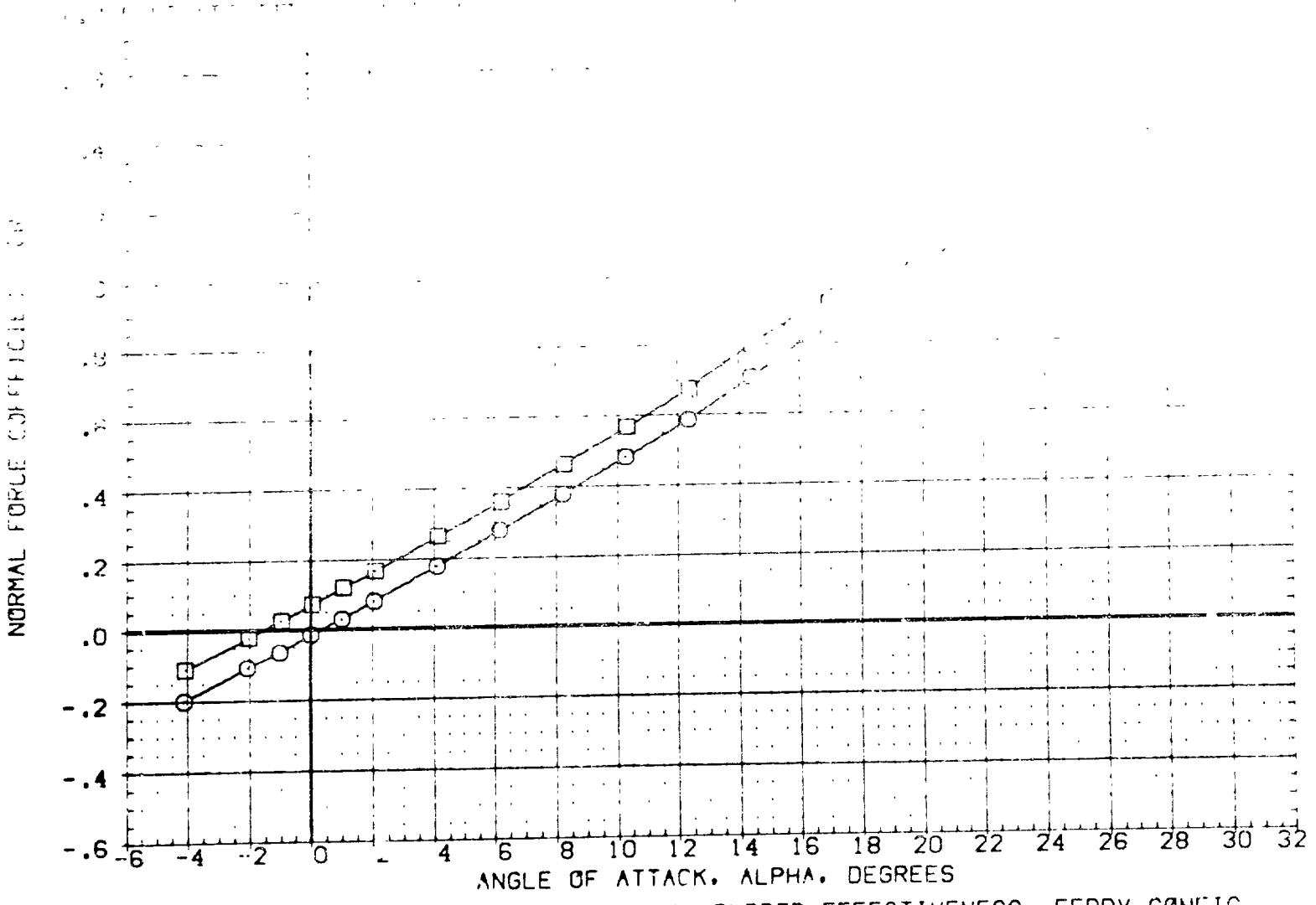



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|
| (ADX285) | OA85 | B49C9 | W116E26V8R5X9 |
| (ADX290) | OA86 | B49C9 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | | -7.960 | .000 |
| 5.000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

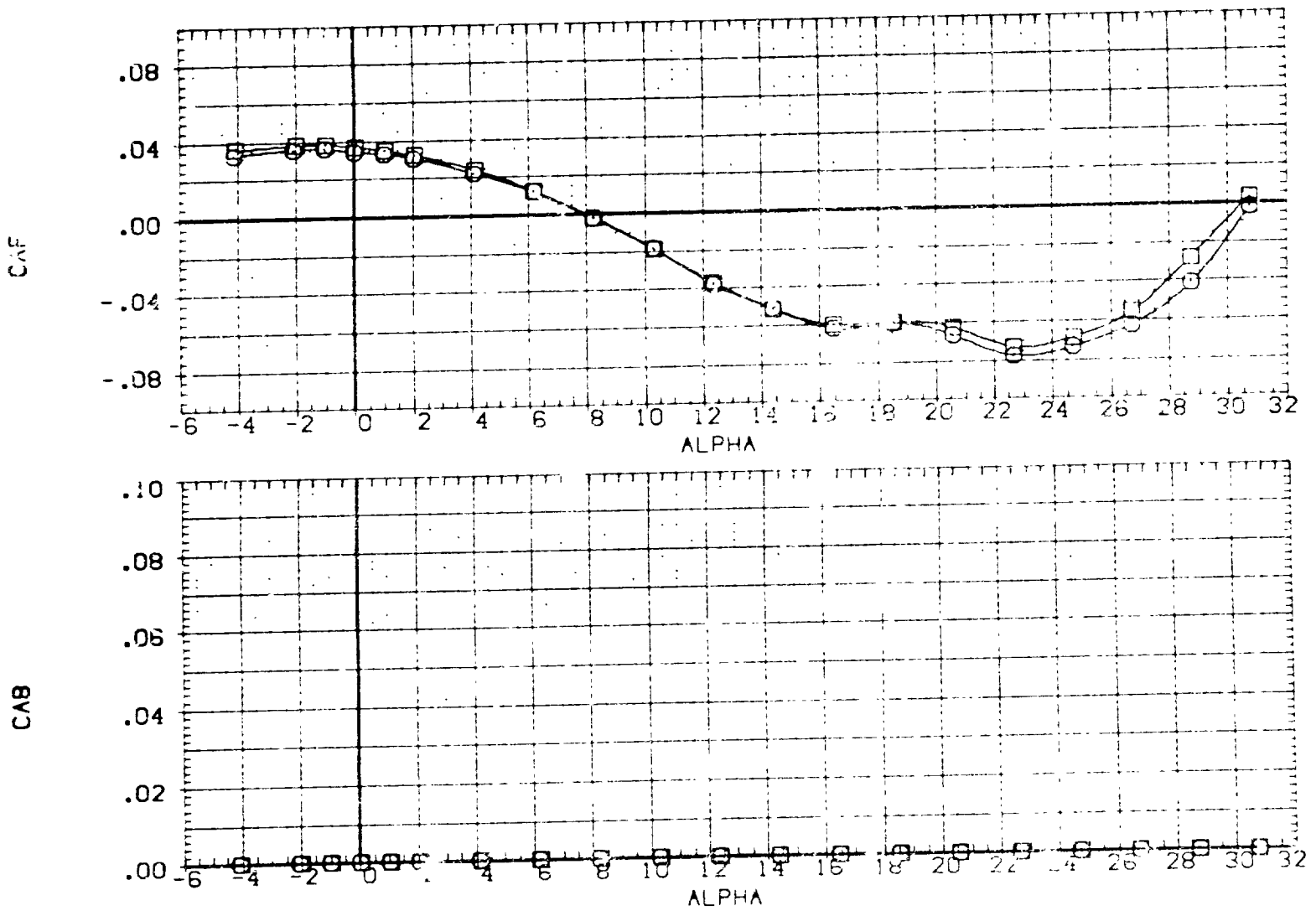



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG

(A)MACH = .20

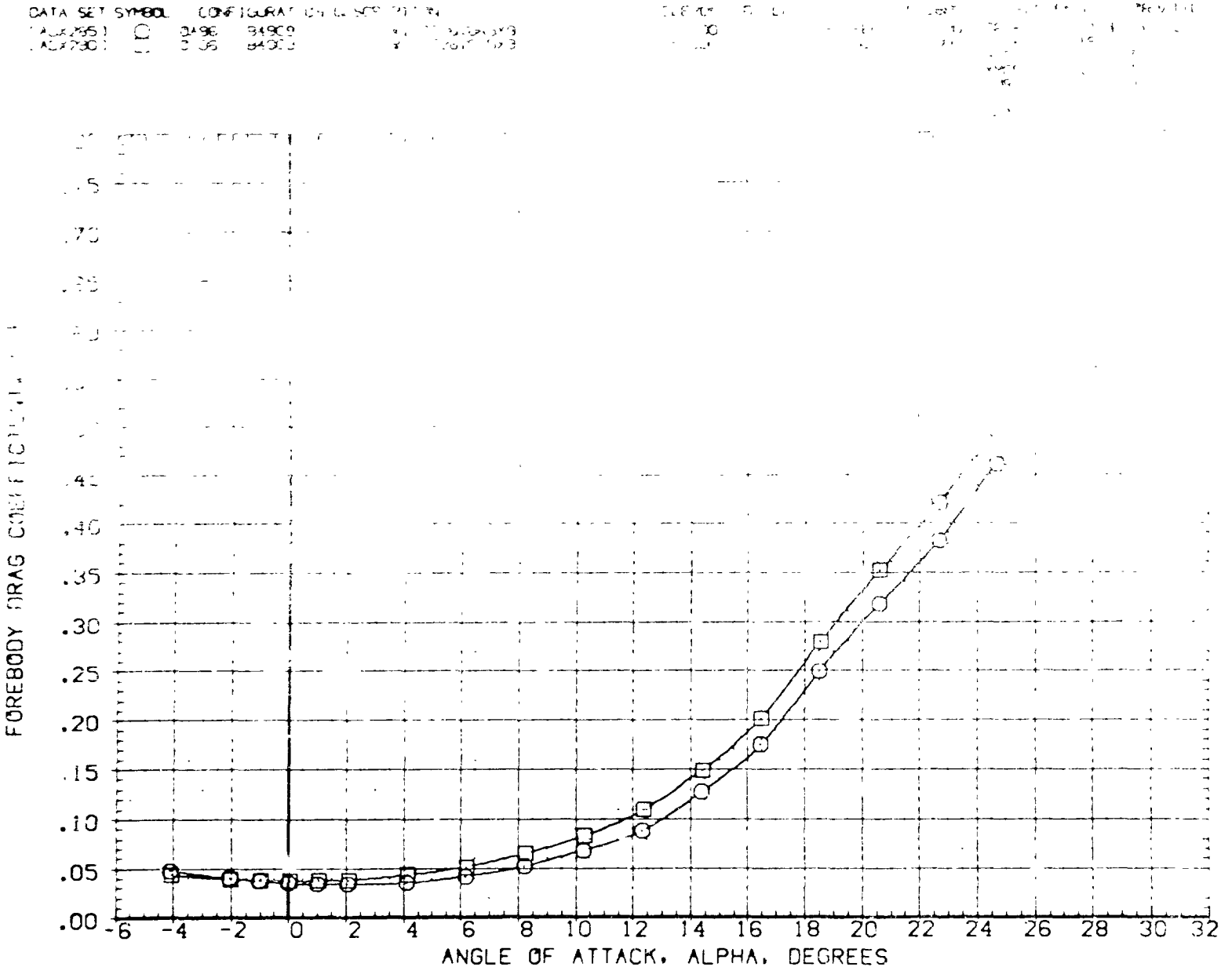



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ELEVON | BDFLAP | RUDDER | SPLBRK |
|---|---|---|---|---|---|---|---|---|
| (ADX285) | ○ | 0A86 | B49C9 | W116E26V8R5X9 | .000 | | -7.960 | .000 |
| (ADY290) | □ | 0A86 | B49C9 | W116E26V8R5X9 | 5.000 | | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

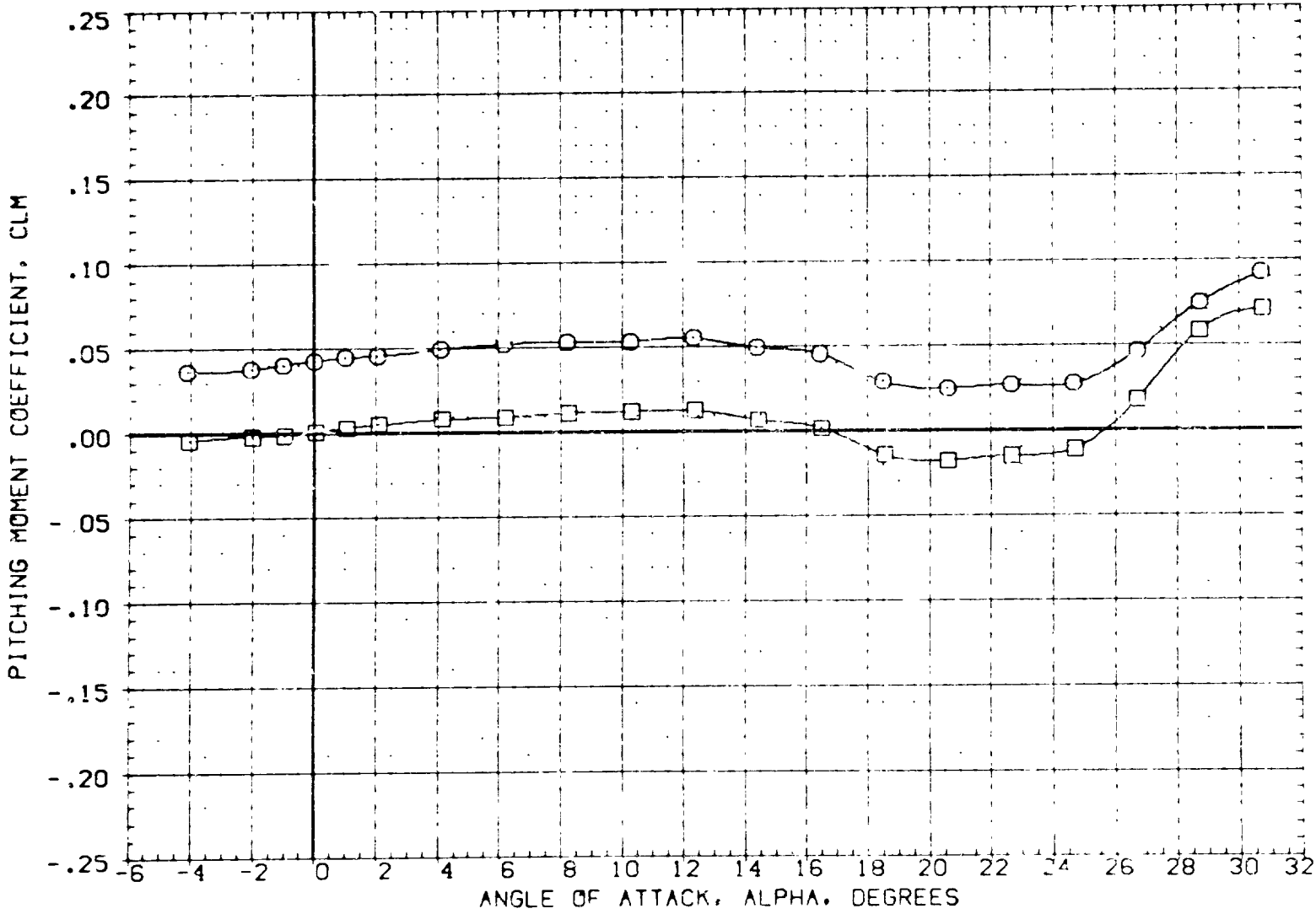



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MAC = .20

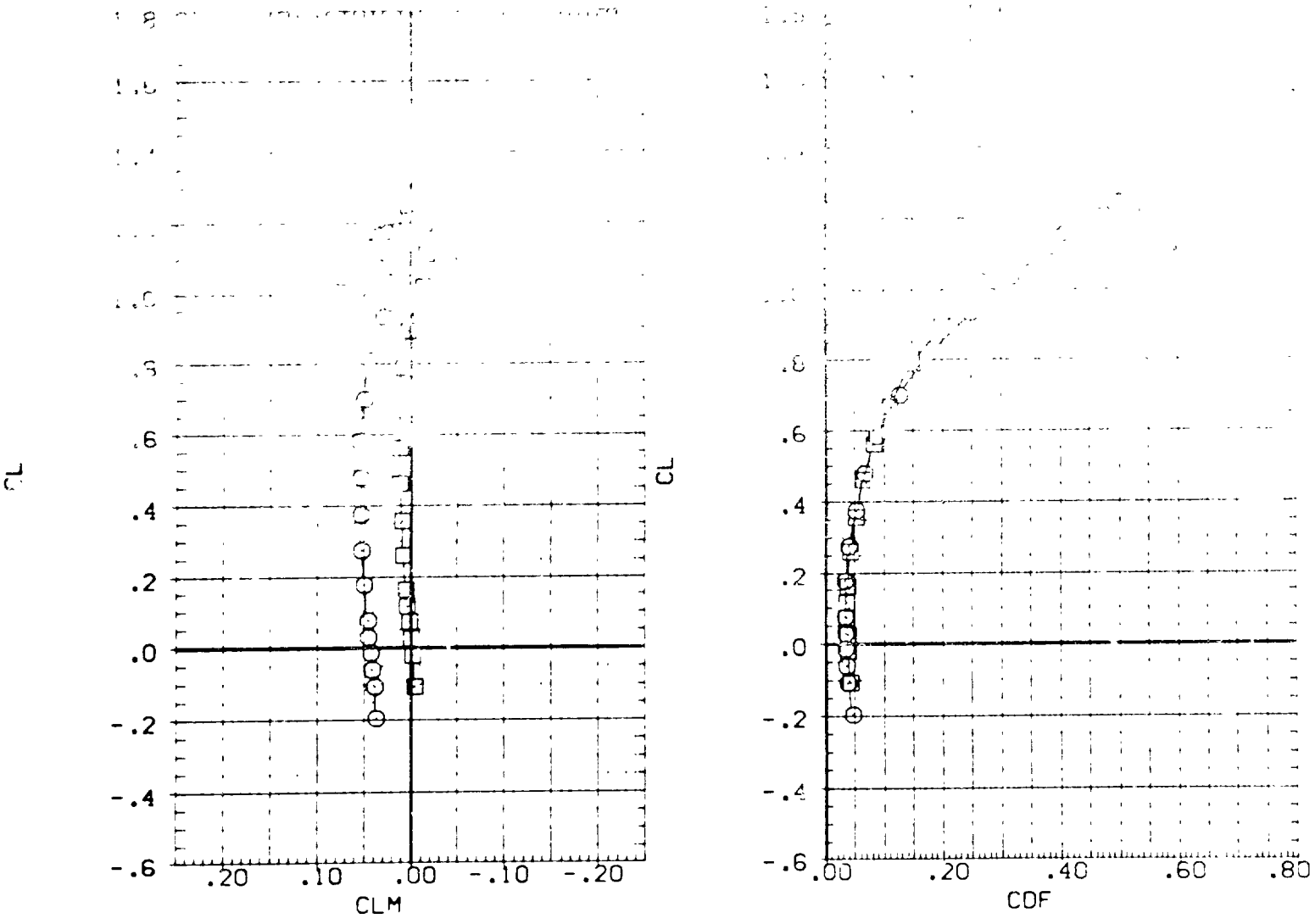



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

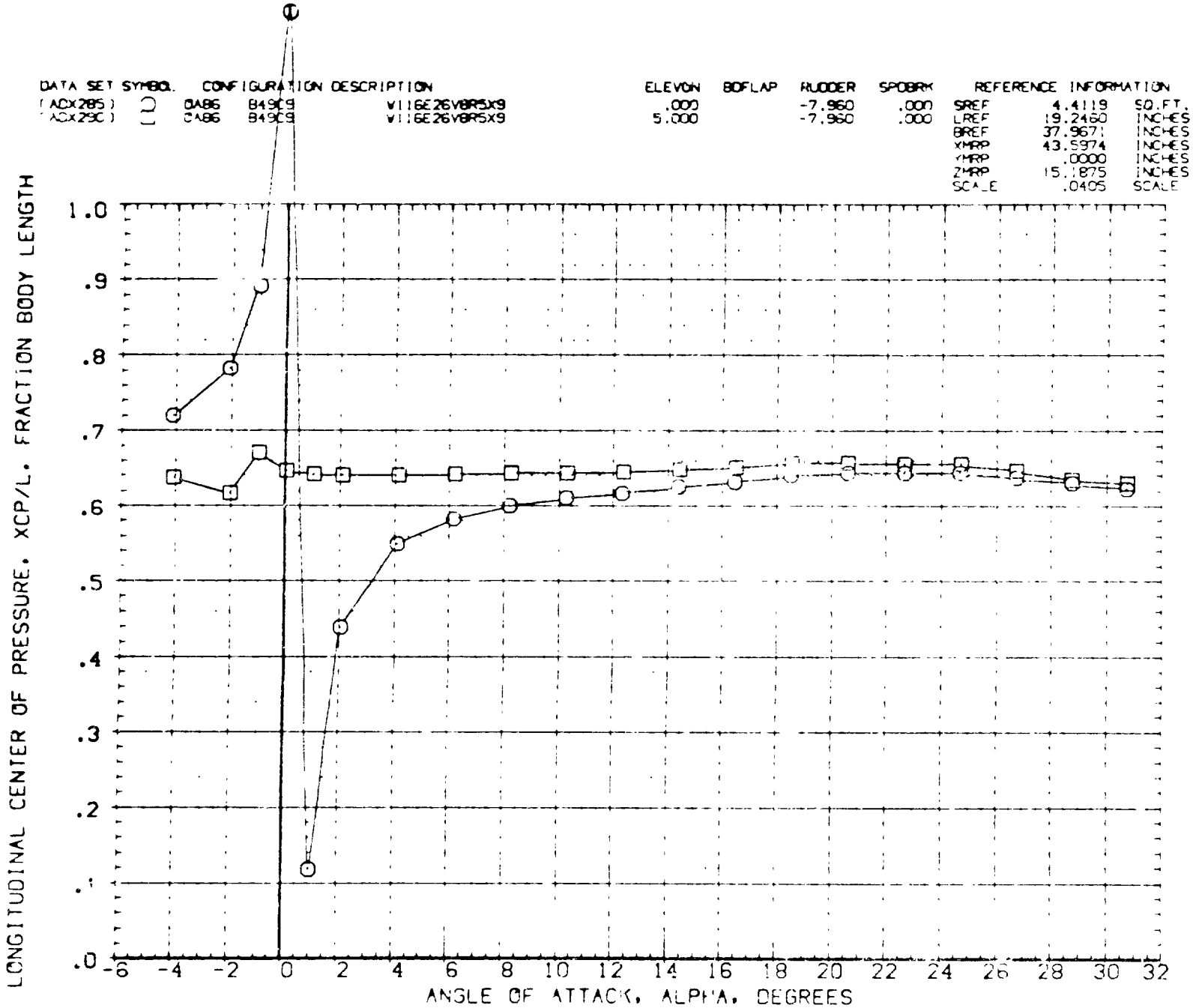



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

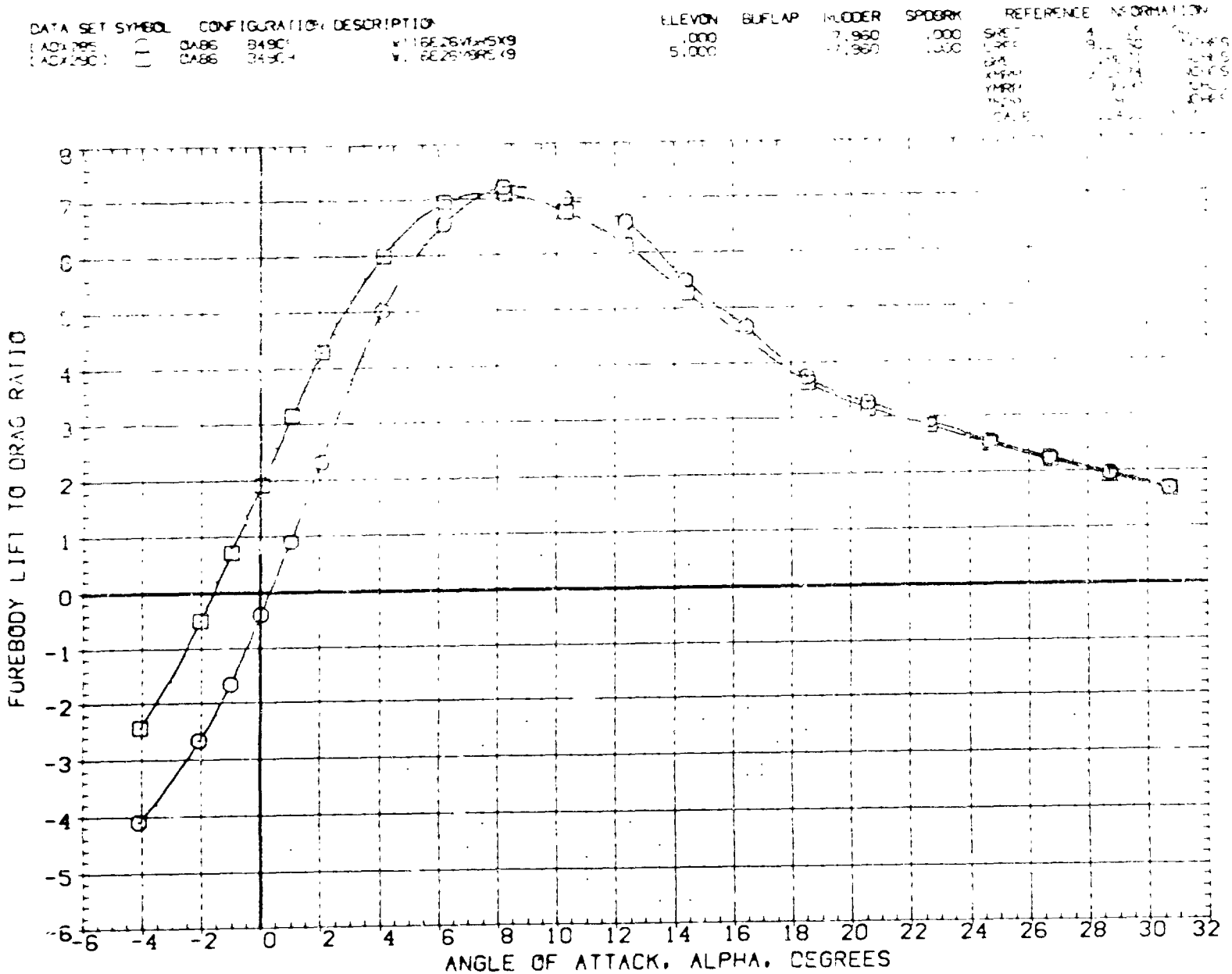



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | BETA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (RDx285) | □ | 0A86 | B49C9 | W116E26V8R5X9 | .000 | .000 | -7.960 | .000 |
| (RDx290) | □ | 0A86 | B49C9 | W116E26V8R5X9 | .000 | 5.000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

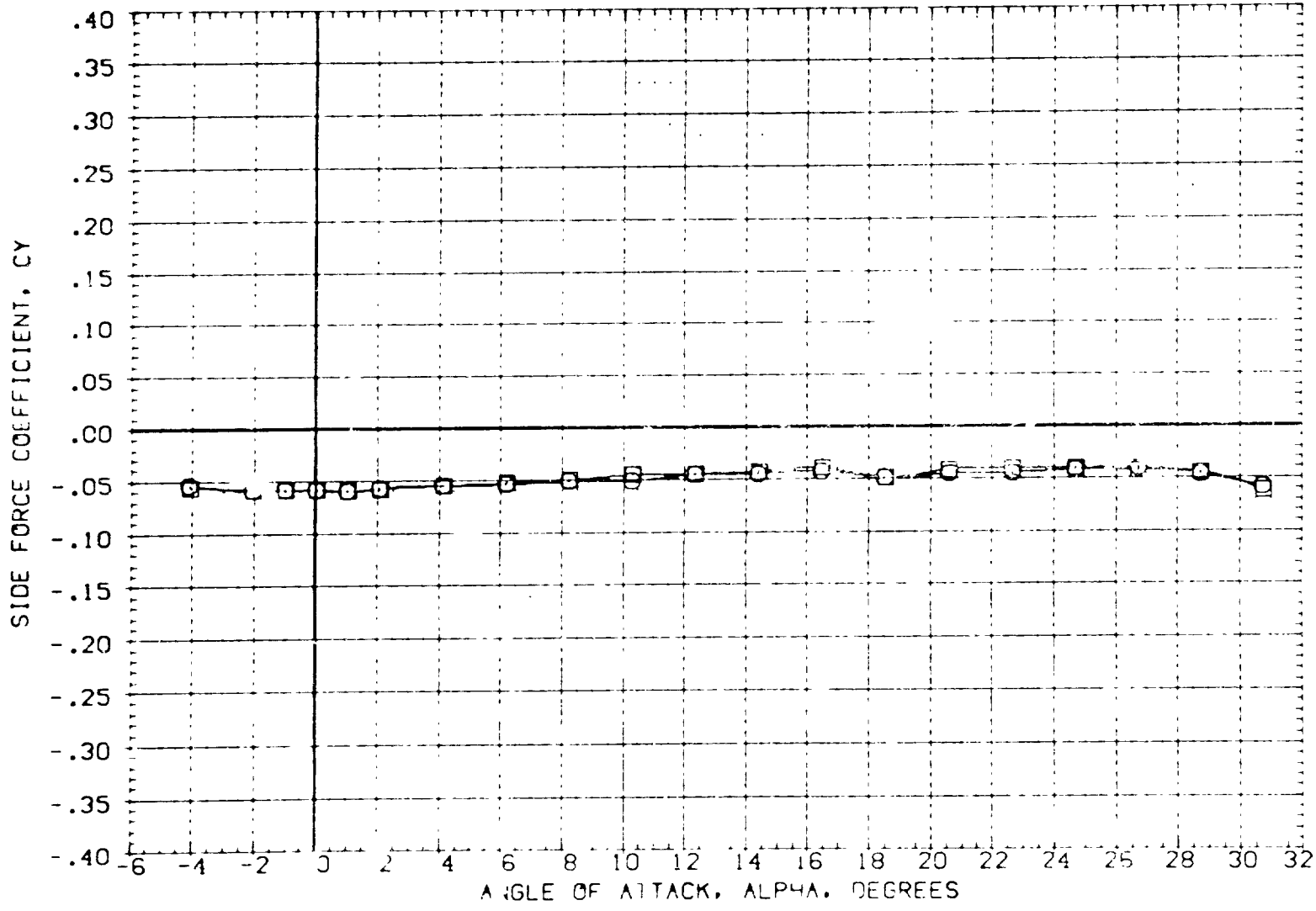



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MAC = .29

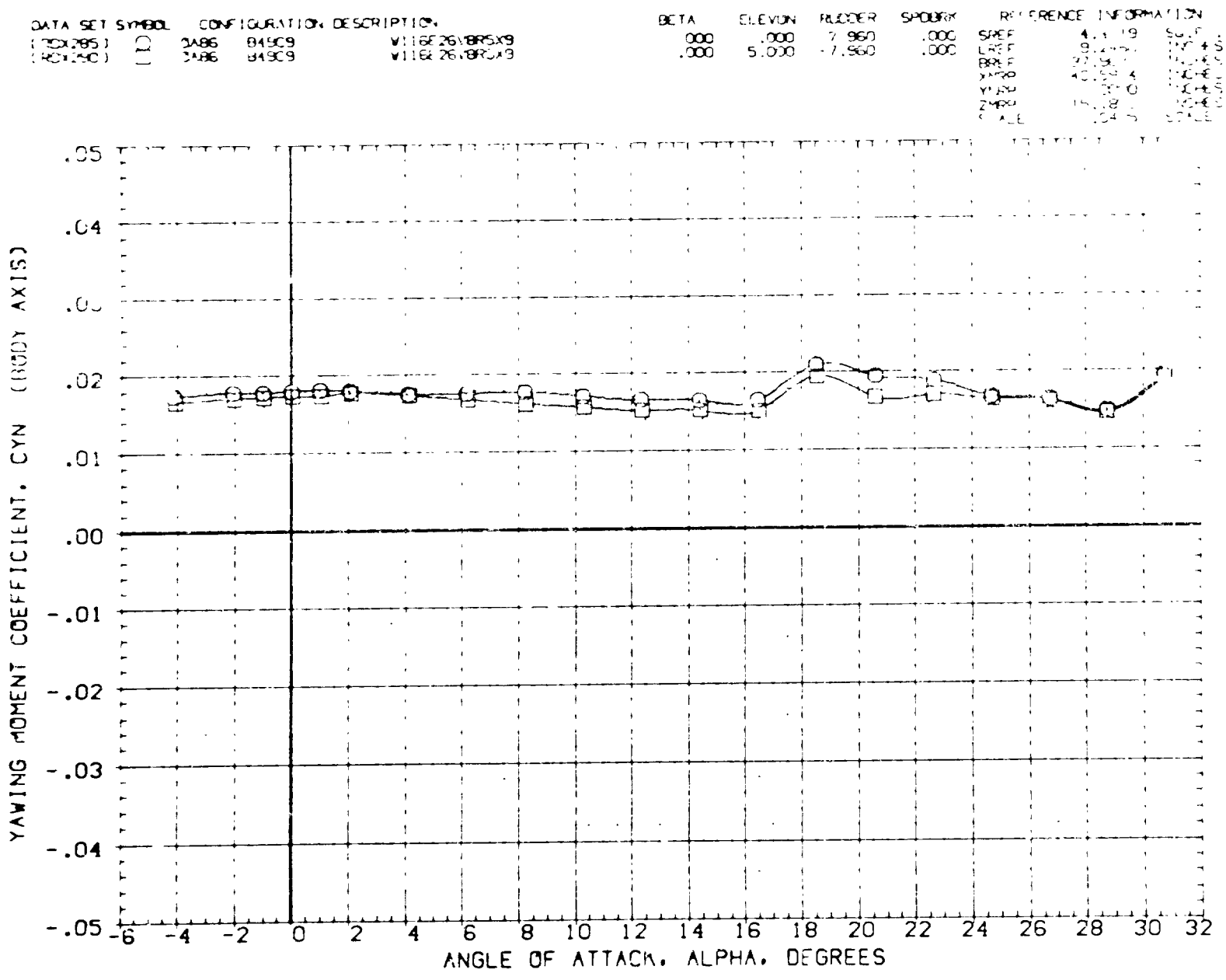



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

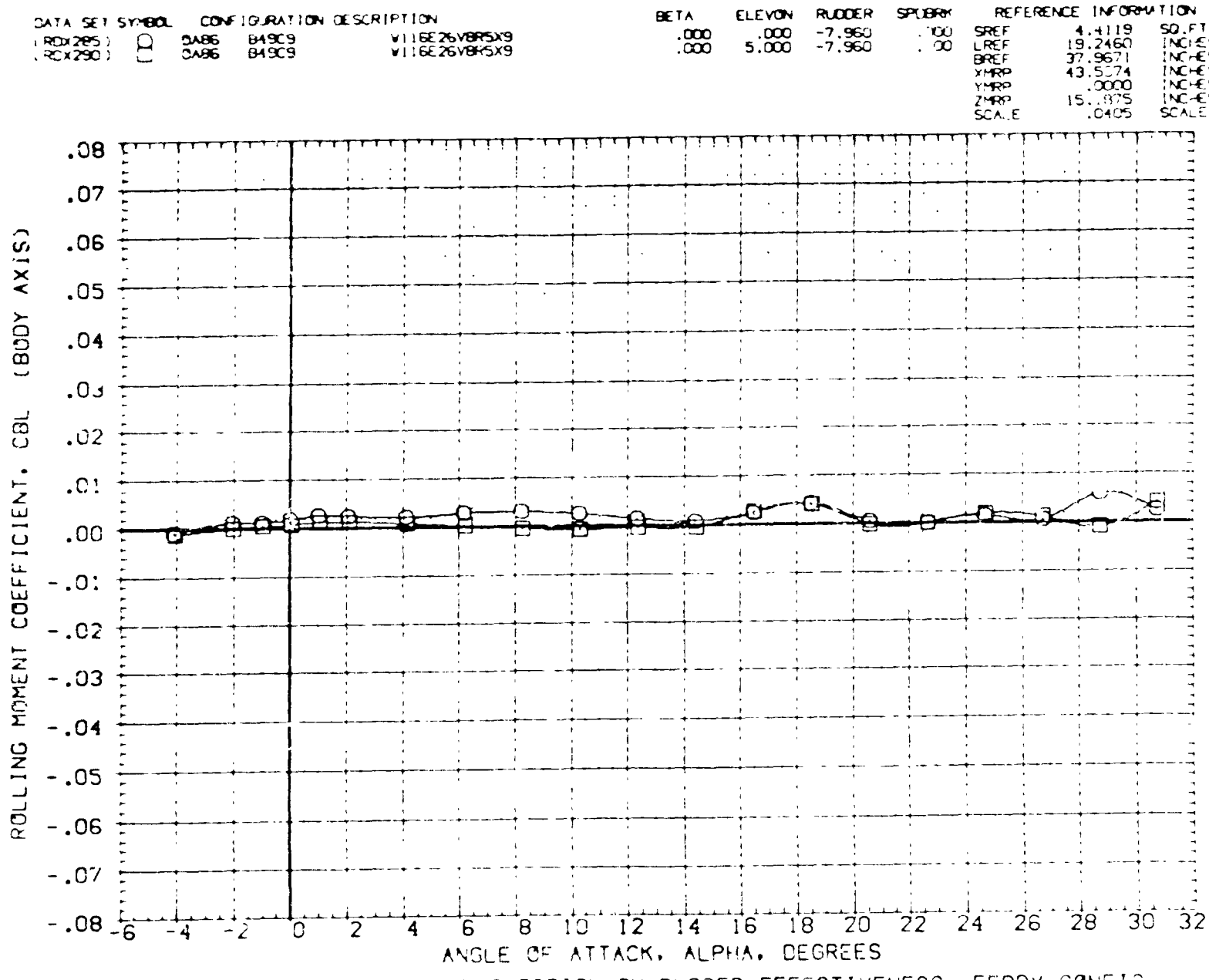



FIG 82 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECTIVENESS, FERRY CONFIG.

(A)MACH = .20

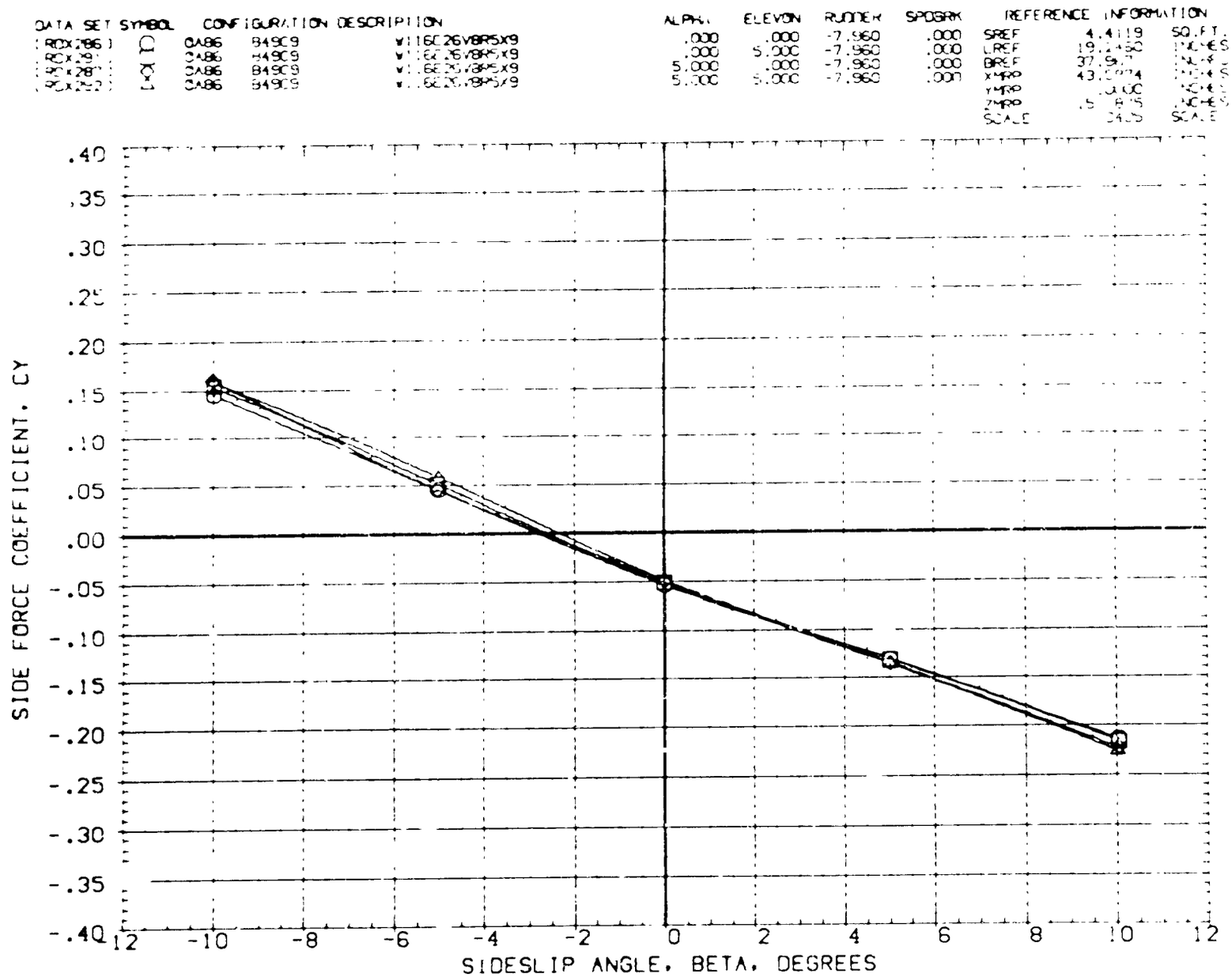



FIG 83 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECT., LAT CHAR., ALPHA = 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (R2X286) | □ | CAB6 | B49C9 | W116E26V8R5X9 |
| (R2X29 ) | ◇ | CAB6 | B49C9 | W116E26V8R5X9 |
| (R2X287) | ⊠ | CAB6 | B49C9 | W116E26V8R5X9 |
| (R2X292) | △ | CAB6 | B49C9 | W116E26V8R5X3 |

| ALPHA | ELEVON | RUDDER | SPDBRK |
|---|---|---|---|
| .000 | .000 | -7.960 | .000 |
| .000 | 5.000 | -7.960 | .000 |
| 5.000 | .000 | -7.960 | .000 |
| 5.000 | 5.000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

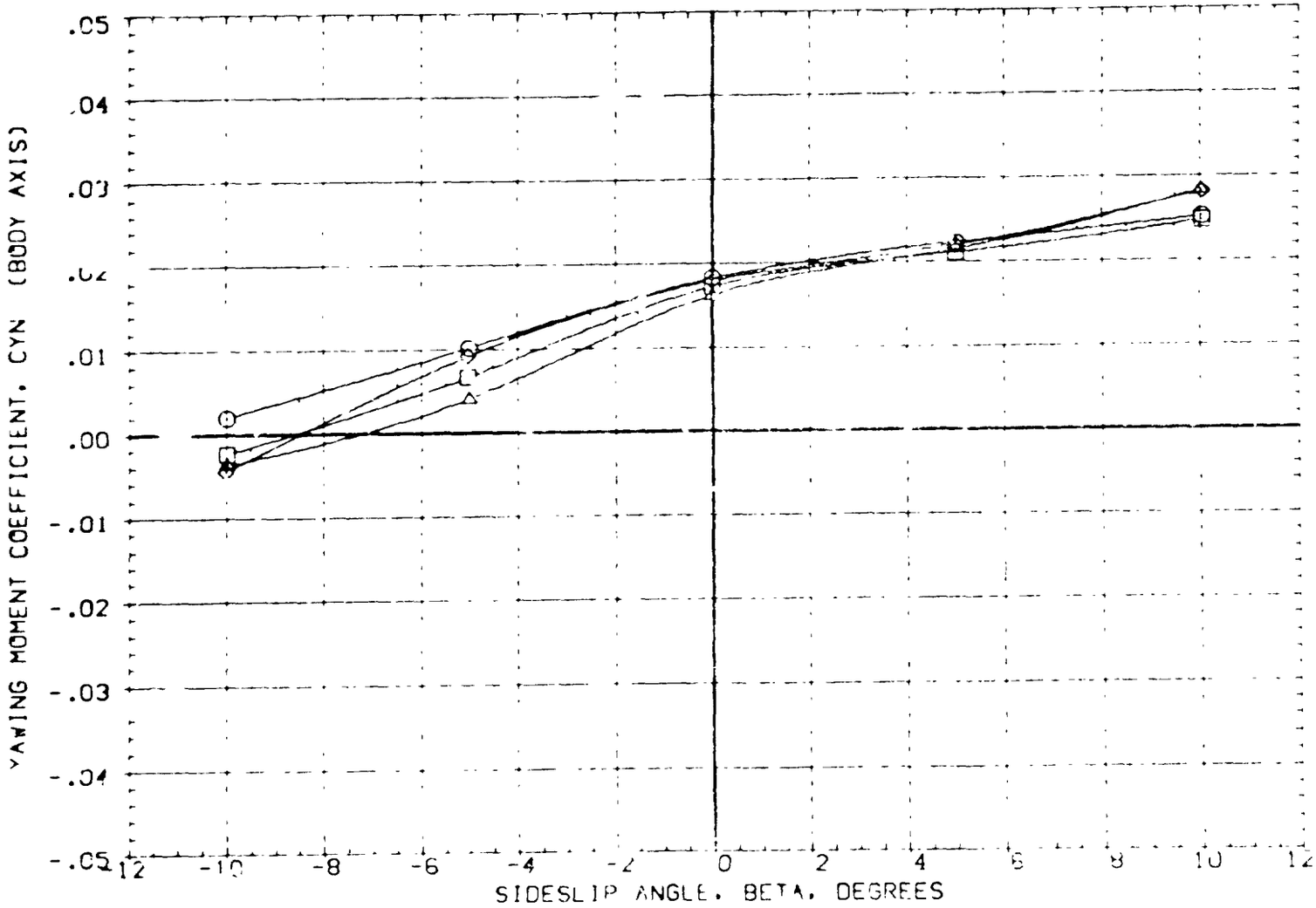



FIG 83 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECT., LAT CHAR., ALPHA 0, 5

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (RDX286) | □ | 0A86 | B49C9 | W116E26V8R5X9 |
| (RDX291) | ◇ | 0A86 | B49C9 | W116E26V8R5X9 |
| (RDX287) | △ | 0A86 | B49C9 | W116E26V8R5X9 |
| (RDX292) | ▽ | 0A86 | B49C9 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | .000 | -7.960 | .000 |
| .000 | 5.000 | -7.960 | .000 |
| 5.000 | .000 | -7.960 | .000 |
| 5.000 | 5.000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

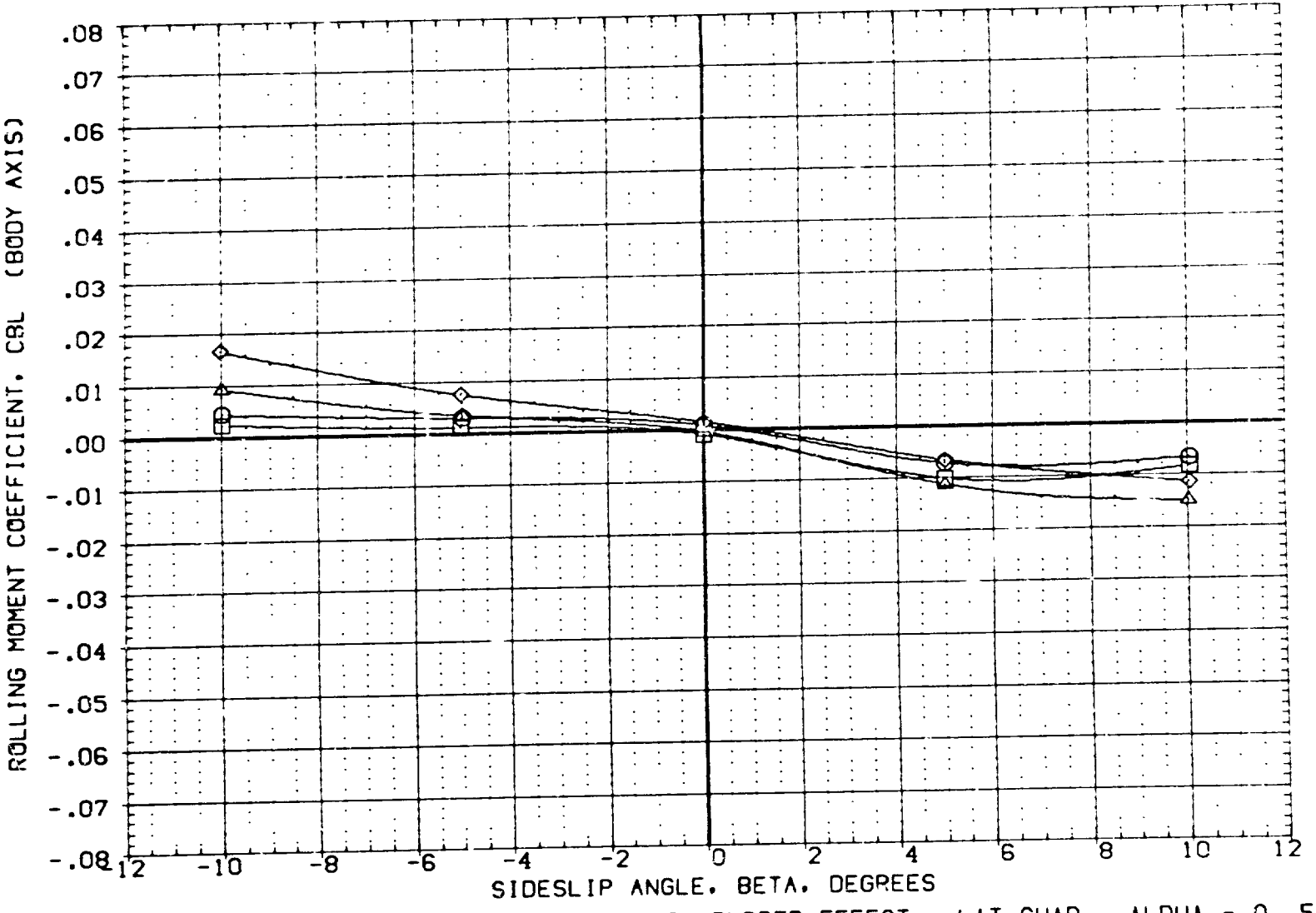



FIG 83 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECT., LAT CHAR., ALPHA = 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|---|---|---|---|---|
| (ROX288) | ○ | CA86 | B49C9 | W11GE26V8R5X9 | 10.000 | .000 | -7.960 | .000 |
| (ROX293) | □ | CA86 | B49C9 | W11GE26V8R5X9 | 10.000 | 5.000 | -7.960 | .000 |
| (ROX289) | ◇ | CA86 | B49C9 | W11GE26V8R5X9 | 15.000 | .000 | -7.960 | .000 |
| (ROX294) | △ | CA86 | B49C9 | W11GE26V8R5X9 | 15.000 | 5.000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

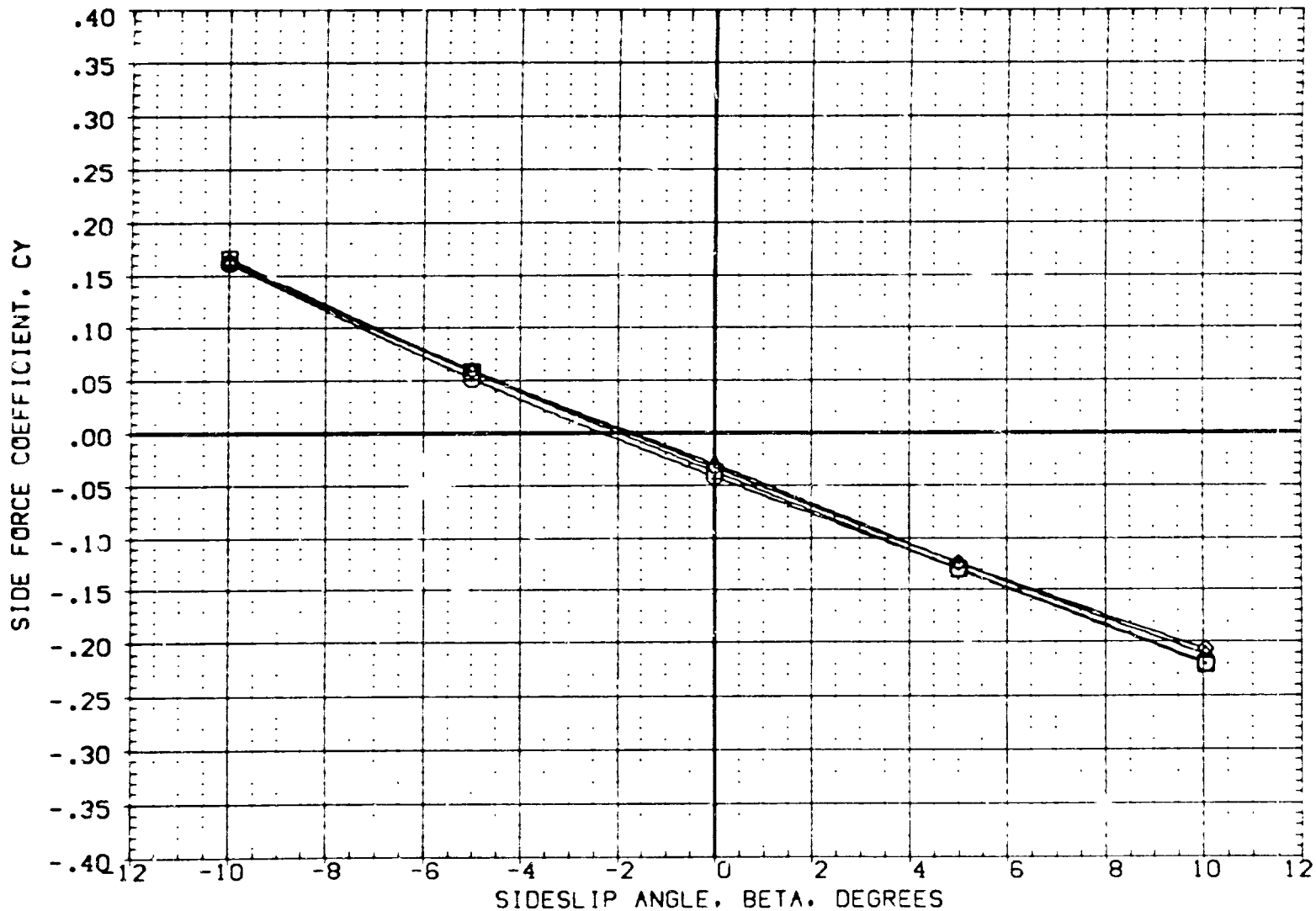



FIG 84 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECT., LAT CHAR., ALPHA -10,15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | |
|---|---|---|---|---|
| (ROX288) | ○ | 0A86 | 849C9 | W116E26V8R5X9 |
| (ROX293) | □ | 0A86 | 849C9 | W116E26V8R5X9 |
| (ROX289) | ◇ | 0A86 | 849C9 | W116E26V8R5X9 |
| (ROX294) | △ | 0A86 | 849C9 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | -7.960 | .000 |
| 10.000 | 5.000 | -7.960 | .000 |
| 15.000 | .000 | -7.960 | .000 |
| 15.000 | 5.000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

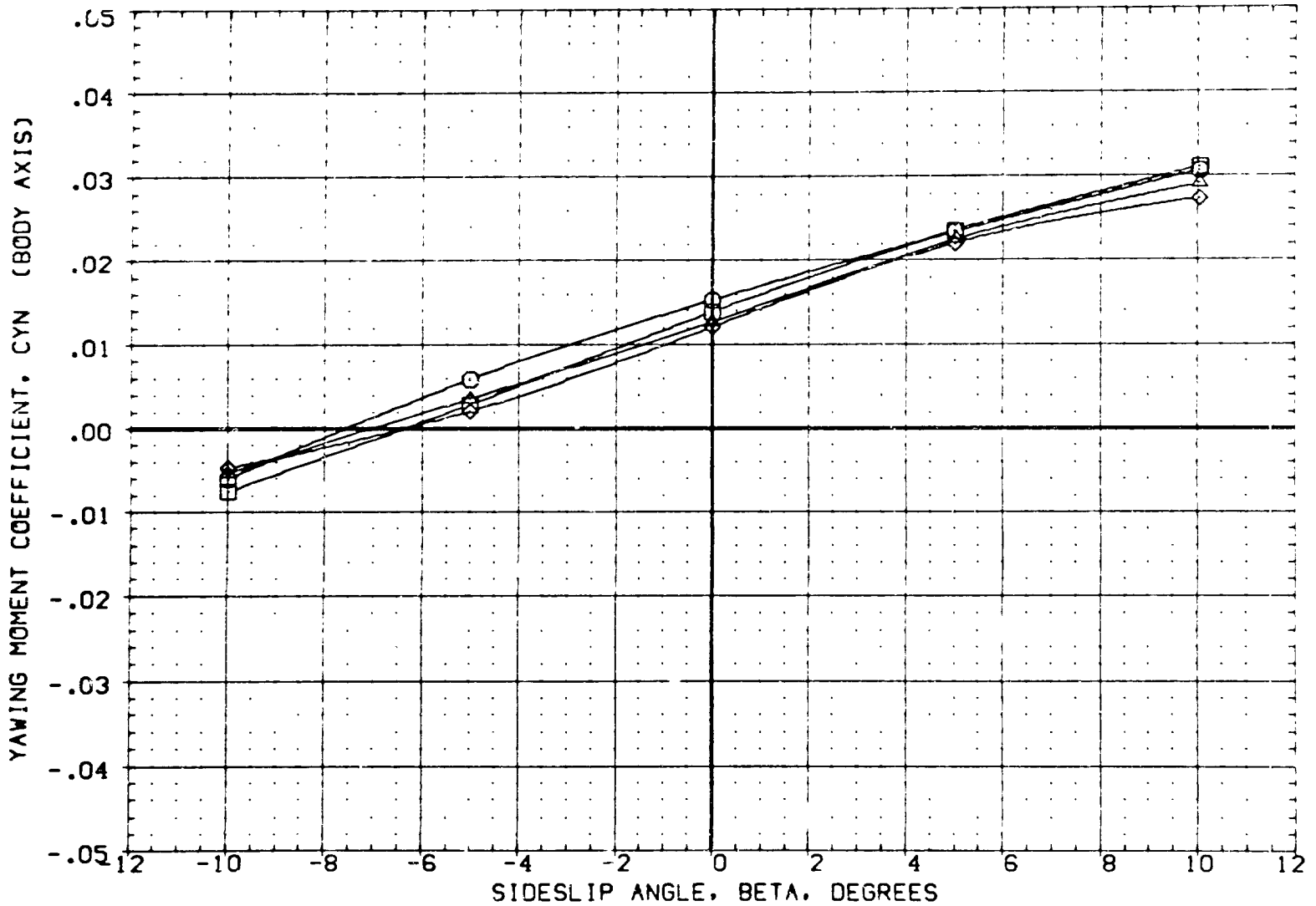



FIG 84 EFFECT OF ELEVON DEFLECTION ON RUDDER EFFECT., LAT CHAR., ALPHA =10.15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION |
|---|---|---|
| (RUN 289) | □ | CA86 B49C9 W11GE26V8R5X9 |
| (RUN 293) | ✕ | CA86 B49C9 W11GE26V8R5X9 |
| (RUN 289) | △ | CA86 B49C9 W11GE26V8R5X9 |
| (RUN 294) | | CA86 B49C9 W11GE26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | -7.960 | .000 |
| 10.000 | 5.000 | -7.960 | .000 |
| 10.000 | .000 | -7.960 | .000 |
| 10.000 | 5.000 | -7.960 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9627 | INCHES |
| XMRP | 43.0774 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | .5.1875 | INCHES |
| SCALE | .0405 | SCALE |

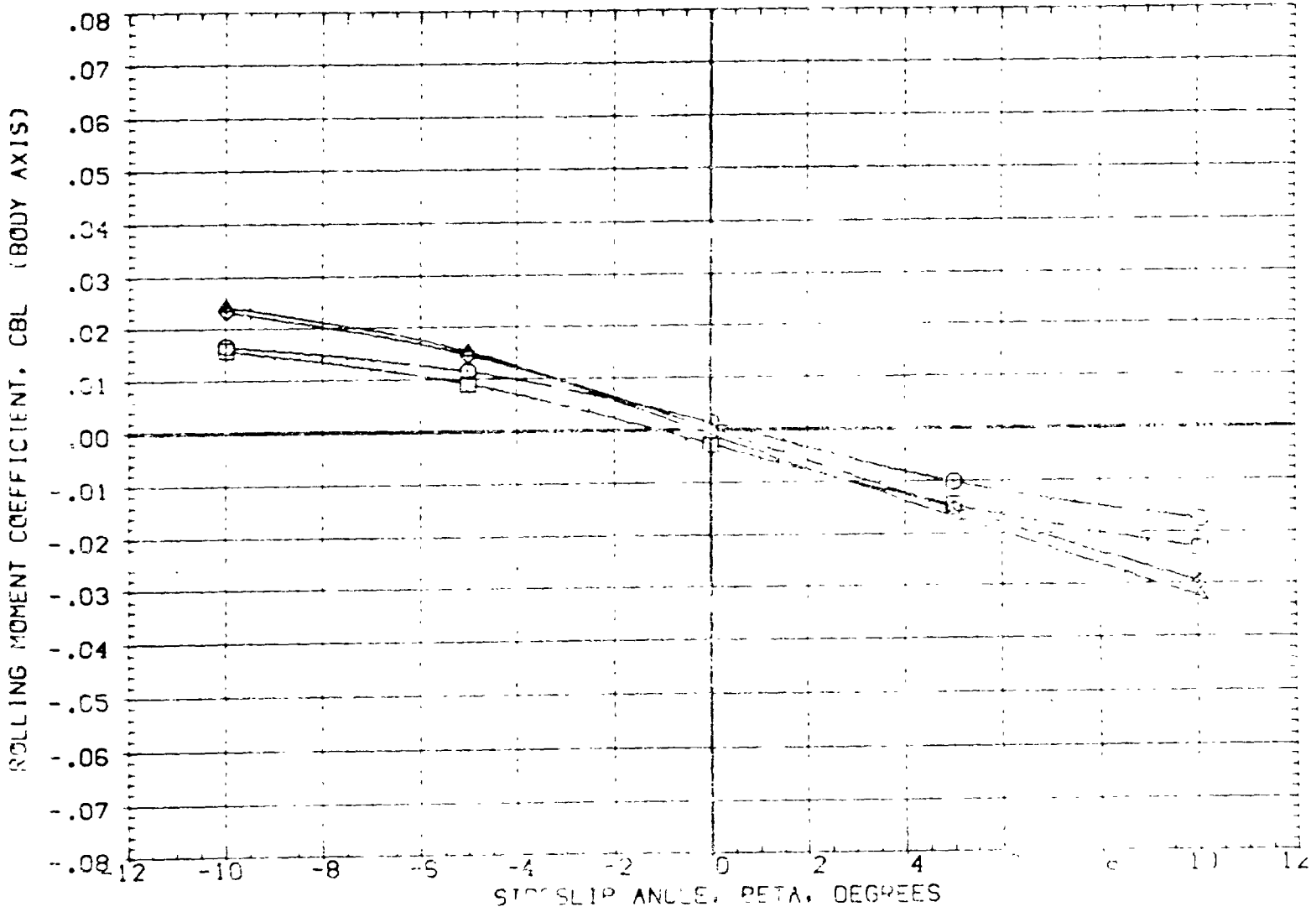
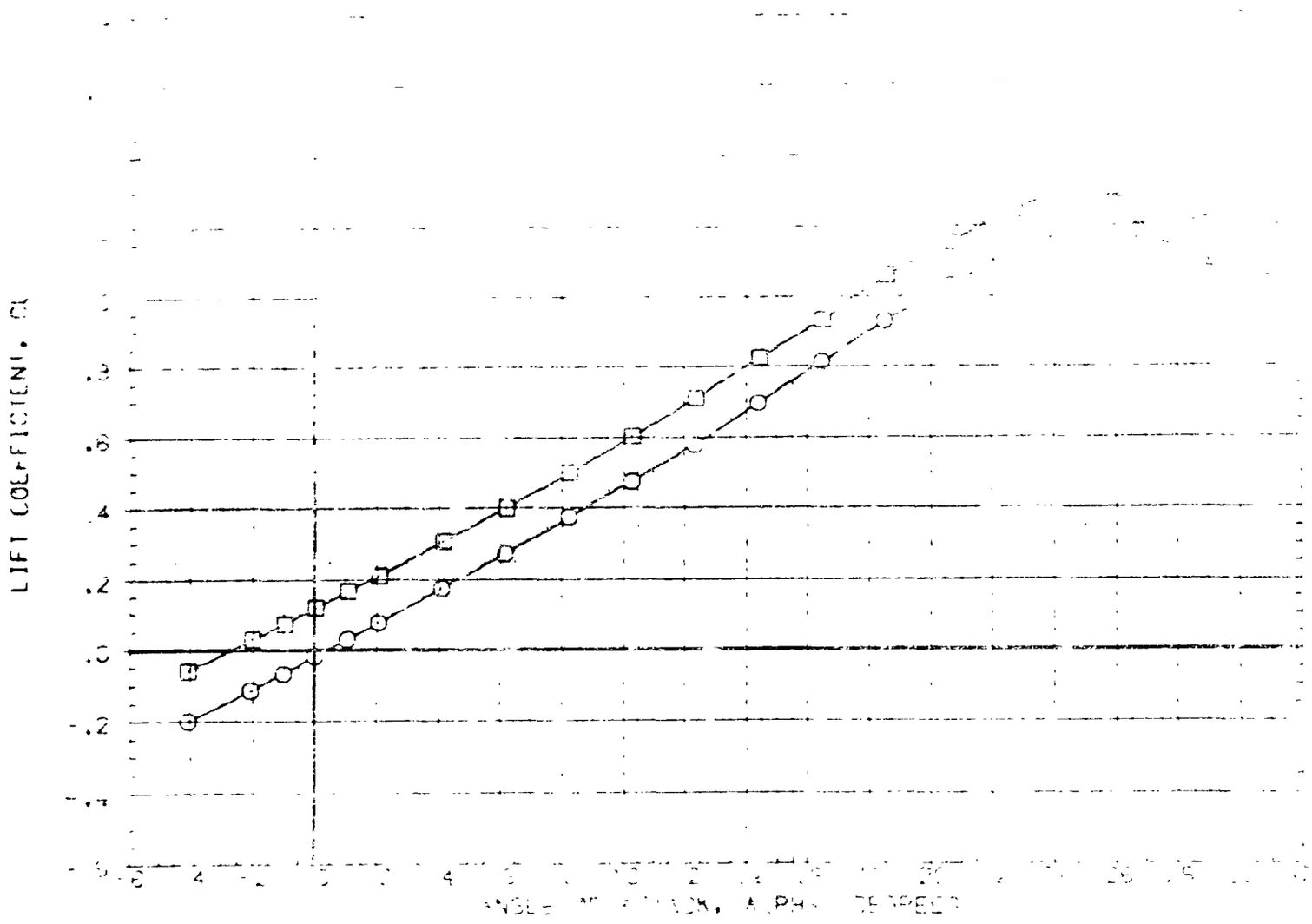



FIG 8. EFFECT OF ELEVON ON RUDDER EFFECT, FLAT CHARG, ALPHA = 10.0

(A)MAC = .23


LIFT COEFFICIENT, CL
.8
.6
.4
.2
.0
-.2
-.4

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BOFLAP | RUDDFR | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (AOX280) | □ | OA86 | B49C9 | | W11GE26V8R5X9 | .000 | | .000 | .000 |
| (AOX300) | □ | OA86 | B49C9 | FB | W11GE26V8R5X9 | 5.000 | 15.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

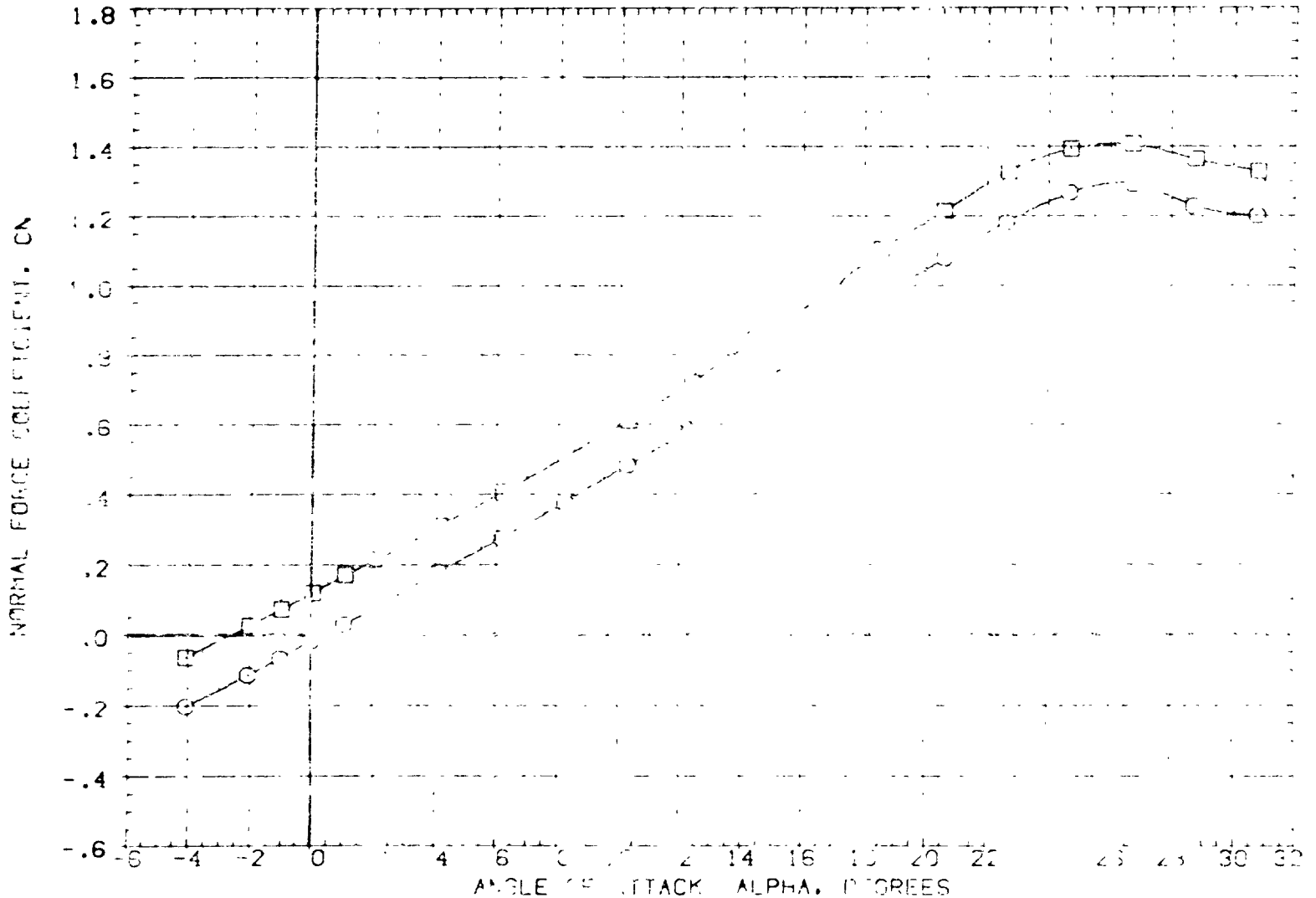



FIG 85 BODY FLAP EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

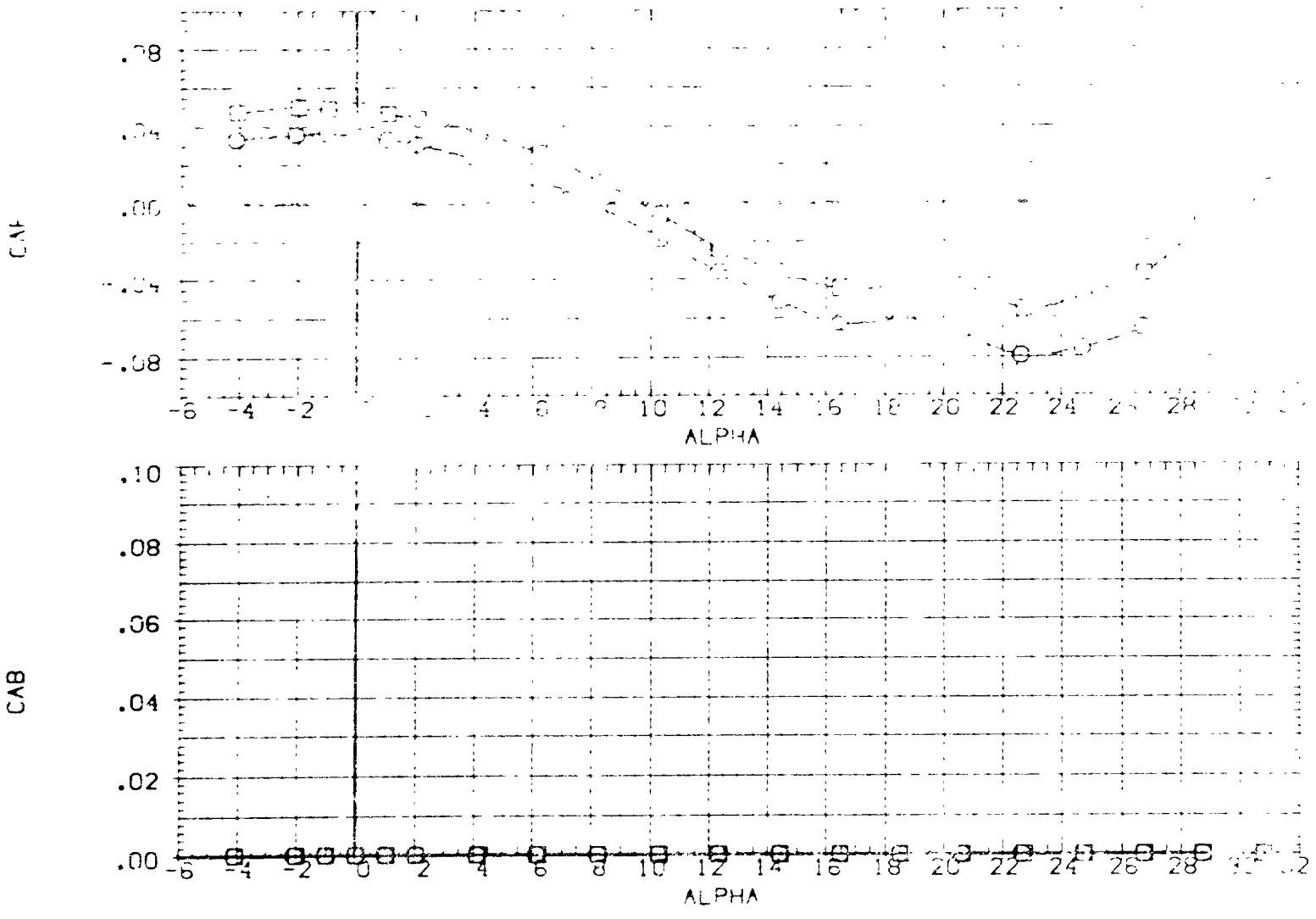



FIG 85 BODY FLAP EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (ADX280) | □ | OA86 | B49C9 | | V11GE26V8R5X9 | .000 | | .000 | .000 |
| (ADX300) | | OA86 | B49C9 | F8 | V11GE26V8R5X9 | 5.000 | 16.000 | 000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2450 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| ALE | .0405 | SCALE |

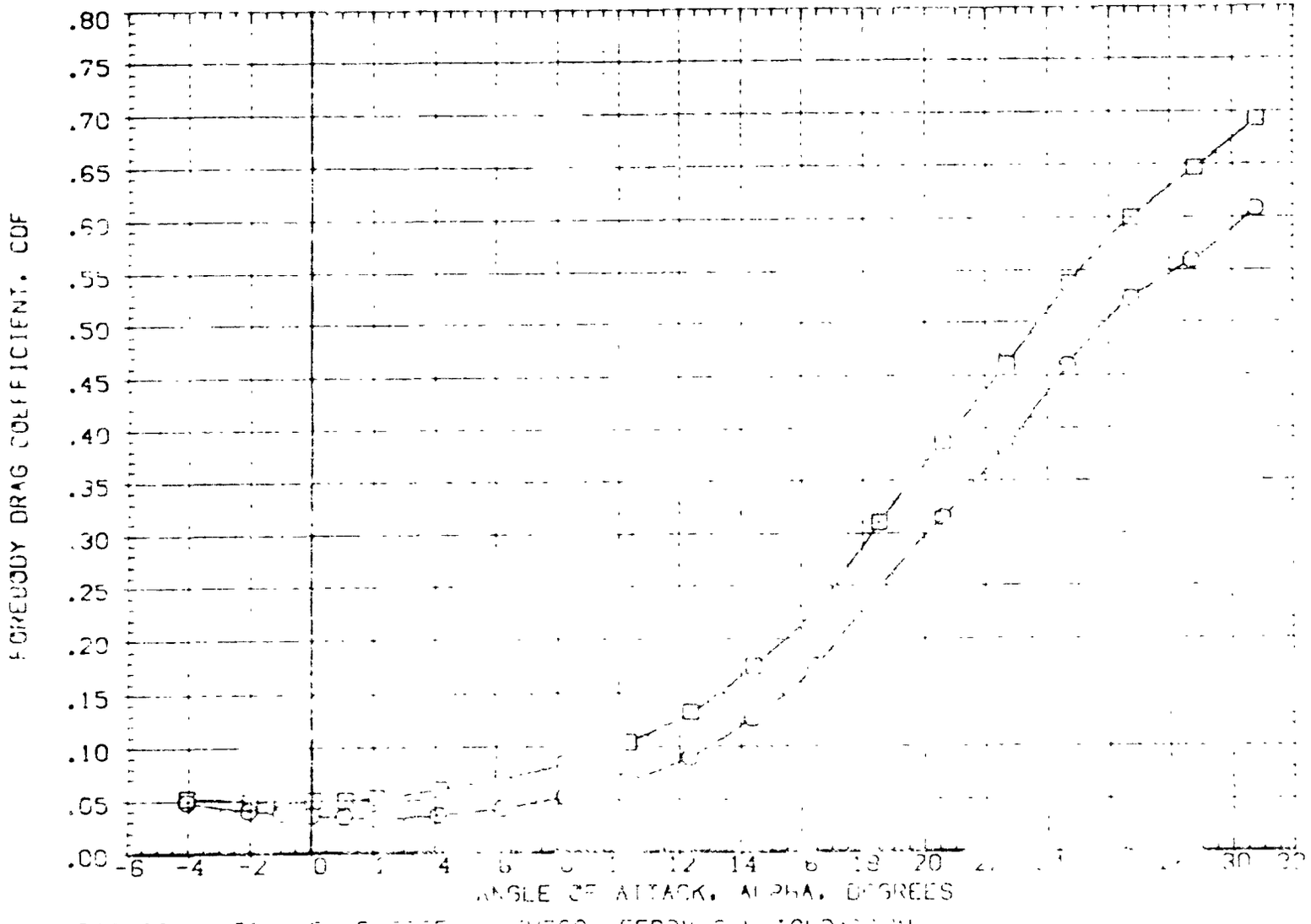



FIG 85 BODY F[illegible] WING-BODY CONFIGURATION

(A)MAC = .20

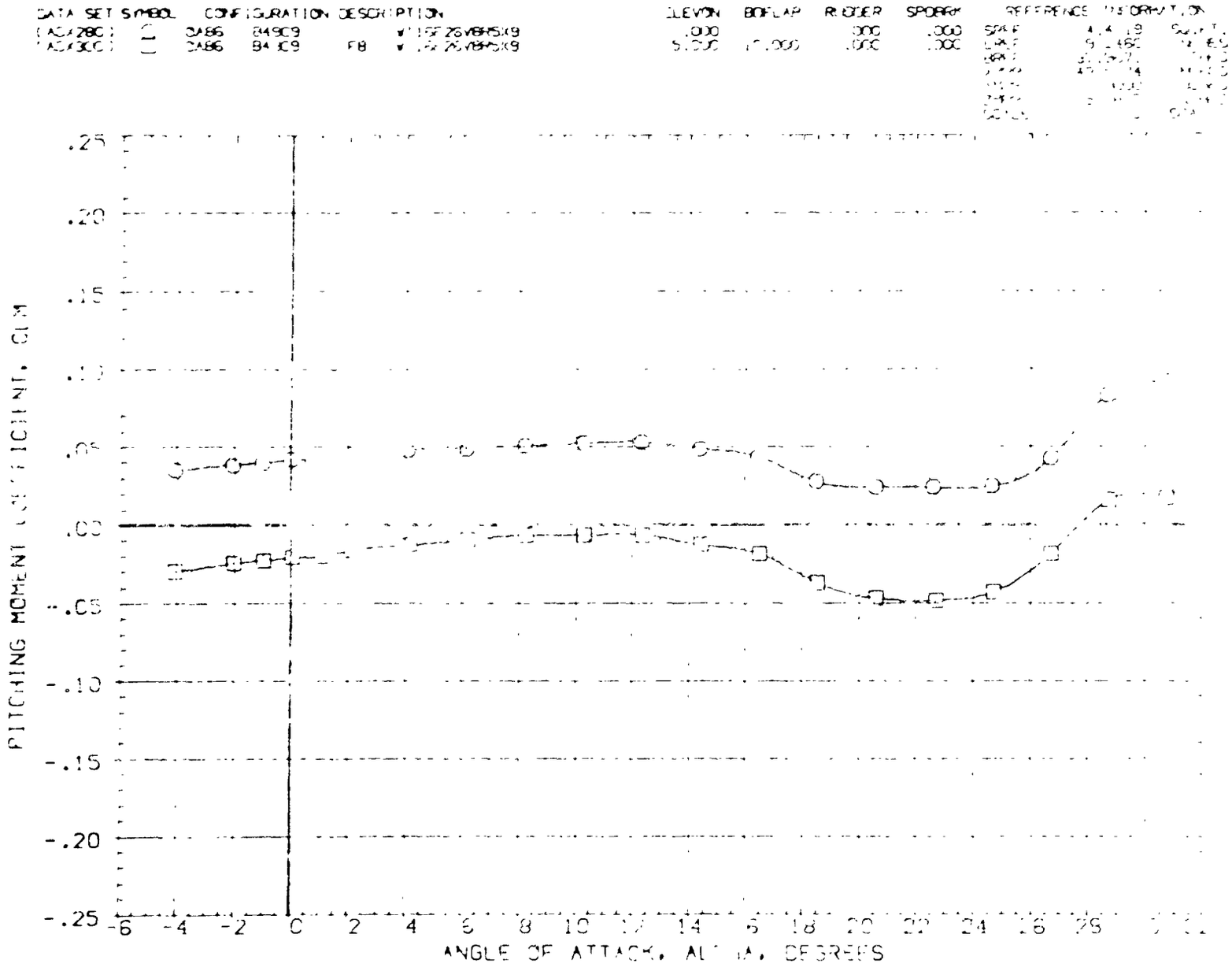



FIG 85 BODY FLAP EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (ADx280) | □ | 0A86 | 849C9 | | W116E26V8R5X9 |
| (ADx300) | □ | 0A86 | 849C9 | F8 | W116E26V8R5X9 |

| ELEVON | BOFLAP | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | | .000 | .000 |
| 5.000 | 16.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.0974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

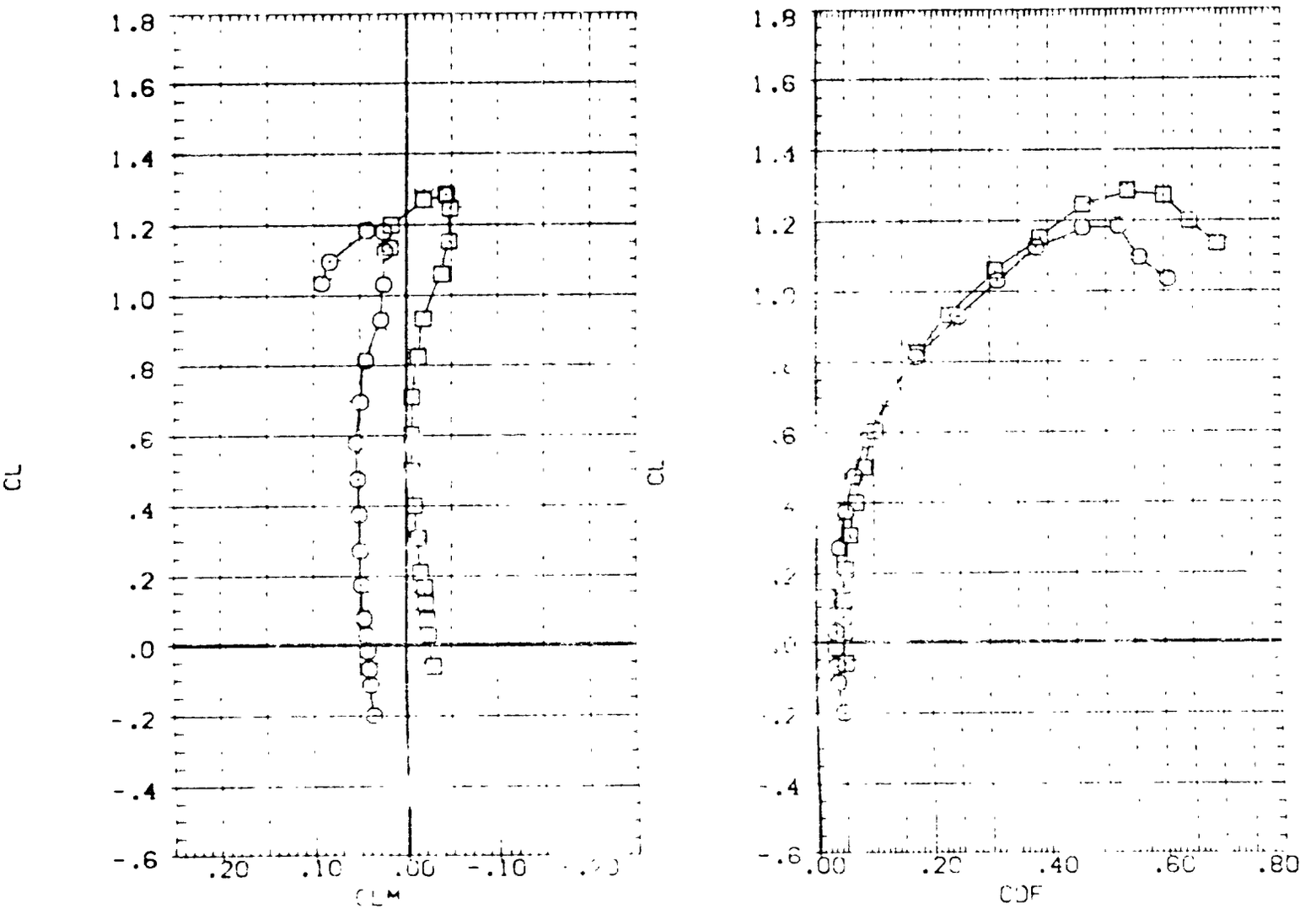



FIG 85 BODY FLAP OF EFFECTIVENESS, FERRY CONFIGURATION

(A)MAC = .20

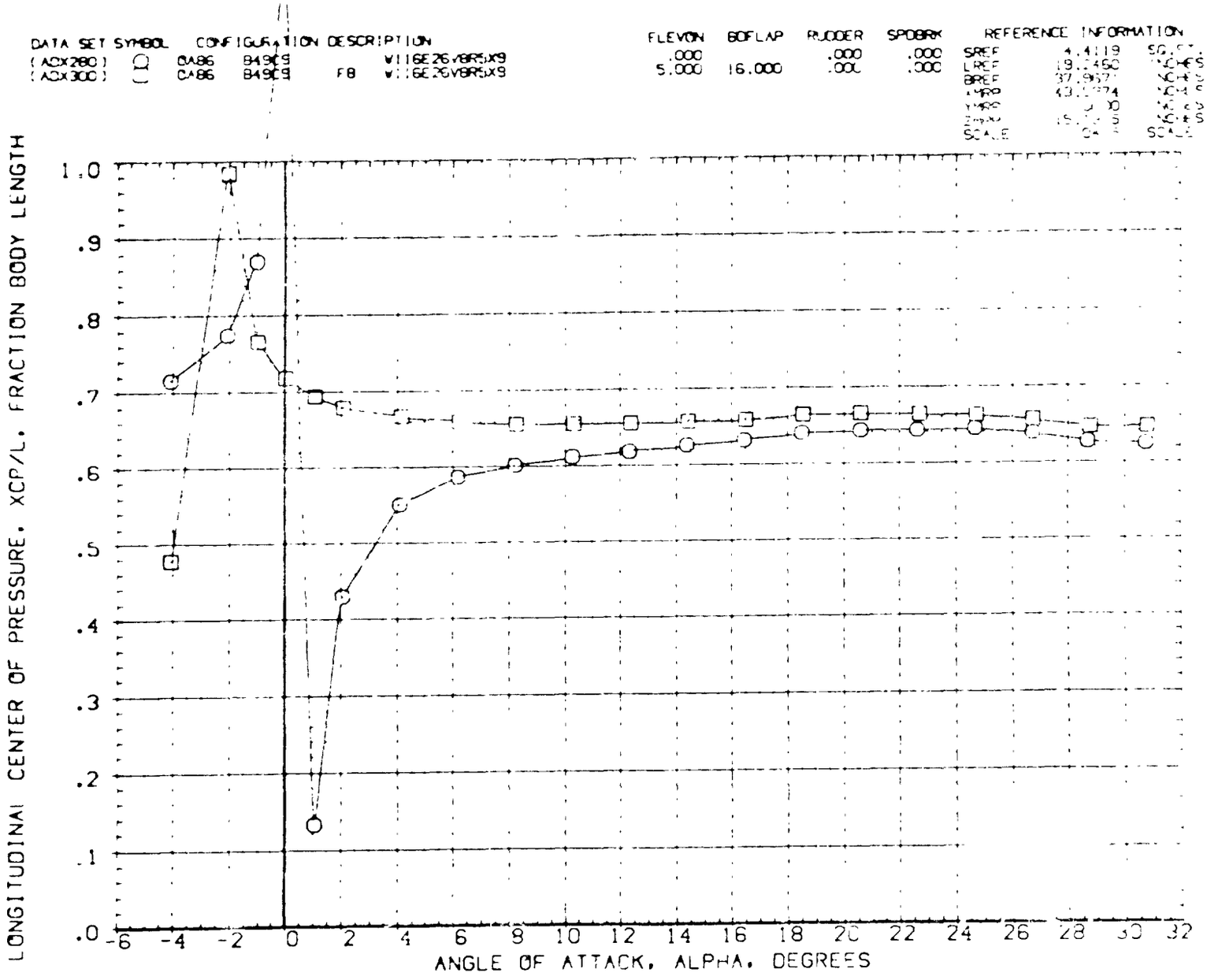


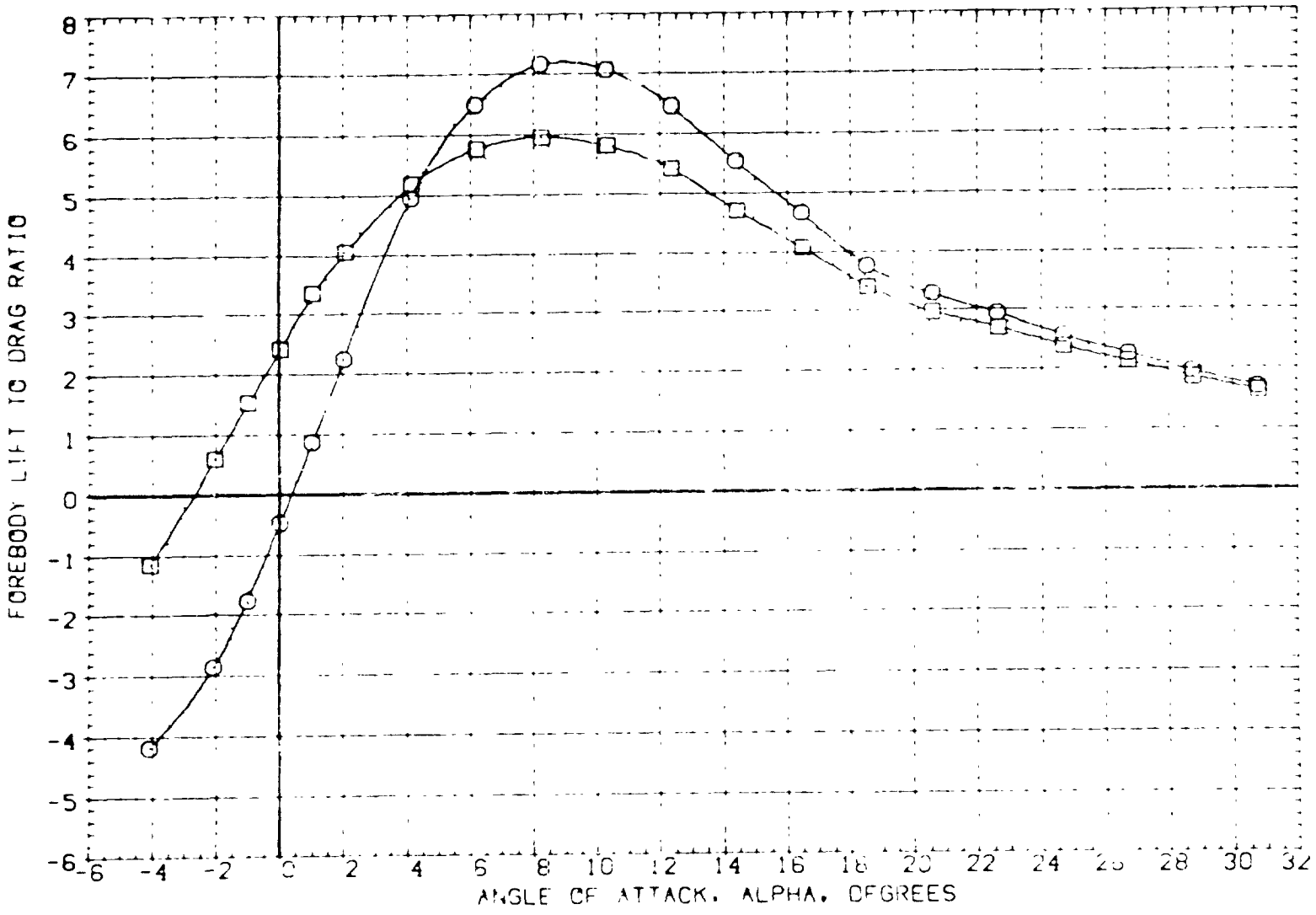

FIG 85 BODY FLAP EFFECTIVENESS, FERRY CONFIGURATION

(A)MACH = .20

| DATA SET SYMBOL | CONFIGURATION DESCRIPTION | | | | | ELEVON | BDFLAP | RUDDER | SPDBRK |
|---|---|---|---|---|---|---|---|---|---|
| (A2Cx280) | □ | CA86 | B49C9 | | W116E26V8R5X9 | .000 | | .000 | .000 |
| (A2Cx300) | ○ | CA86 | B49C9 | F8 | W116E26V8R5X9 | 5.000 | 16.000 | .000 | .000 |

REFERENCE INFORMATION

| | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| CREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0435 | SCALE |




BODY FLAP EFFECTIVENESS, FERRY CONFIGURATION

(A)MAC = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | | ALPHA | ELEVON | RUDDER | SPDBRK | REFERENCE INFORMATION | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (RCX28') | □ | OAB6 | B49C9 | | W1:6E26V8R5X9 | .000 | .000 | .000 | .000 | SREF | 4 4113 | SQ.FT. |
| (RCX3C. | | OAB6 | B49C9 | F8 | W1:6E26V8R5X9 | .000 | 5.000 | .000 | .000 | CREF | 19.2450 | INCHES |
| (RCX282) | △ | OAB6 | B43C9 | | W1:6E26V8R5X9 | 5.000 | .000 | .000 | .000 | BREF | 37.2[illegible] | INCHES |
| (RCX3C2) | △ | OAB6 | B49C9 | F8 | W1:6E26V8R5X9 | 5.000 | 5.000 | .000 | .000 | XMRP | 43.[illegible]4 | INCHES |
| | | | | | | | | | | YMRP | [illegible].00 | INCHES |
| | | | | | | | | | | ZMRP | 15.[illegible] | INCHES |
| | | | | | | | | | | SCALE | [illegible] | SCALE |

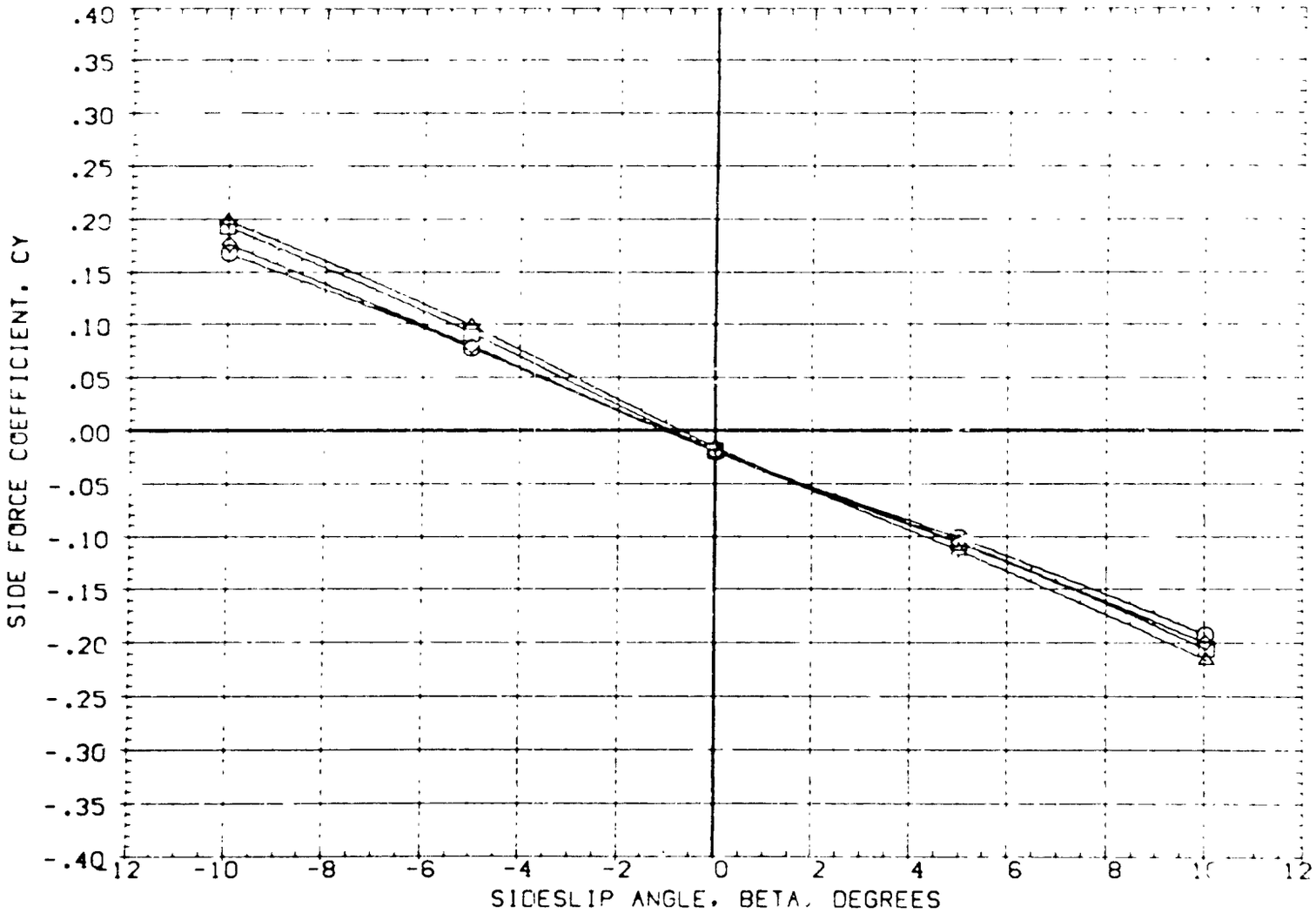



FIG 86 EFFECT OF ANGLE OF ATTACK ON BODY FLAP EFFECT FERRY CONFIG ALPHA= 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | | DESCRIPTION | |
|---|---|---|---|---|---|
| (ROX281) | ○ | 0A86 | B49C9 | | W116E26V8R5X9 |
| (ROX3C1) | ◇ | 0A86 | B49C9 | F8 | W116E26V8R5X9 |
| (ROX282) | □ | 0A86 | B49C9 | | W116E26V8R5X9 |
| (ROX302) | △ | 0A86 | B49C9 | F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPLBRK |
|---|---|---|---|
| .000 | .000 | .000 | .000 |
| .000 | 5.000 | .000 | .000 |
| 5.000 | .000 | .000 | .000 |
| 5.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5374 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

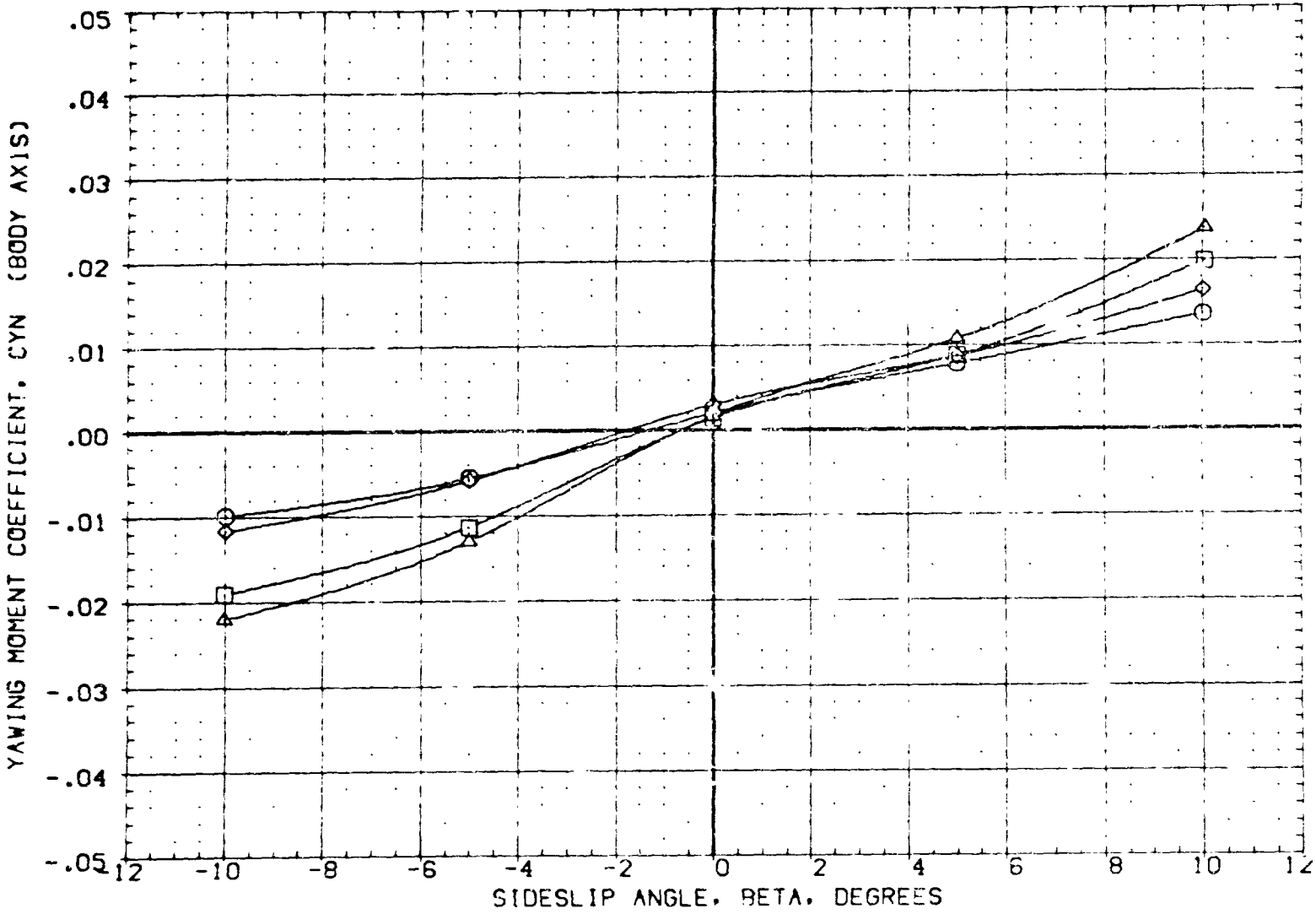



FIG 86 EFFECT OF ANGLE OF ATTACK ON BODY FLAP EFFECT FERRY CONFIG ALPHA- 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | DESCRIPTION |
|---|---|---|---|
| (RDX281) | □ | OA86 B49C9 | W116E2GV8R5X9 |
| (RDX301) | ▽ | OA86 B49C9 F8 | W116E2GV8R5X9 |
| (RDX282) | ◇ | OA86 B49C9 | W116E2GV8R5X9 |
| (RDX302) | △ | OA86 B49C9 F8 | W116E2GV8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| .000 | .000 | .000 | .000 |
| .000 | 5.000 | .000 | .000 |
| 5.000 | .000 | .000 | .000 |
| 5.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.3571 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1805 | INCHES |
| SCALE | .0405 | SCALE |

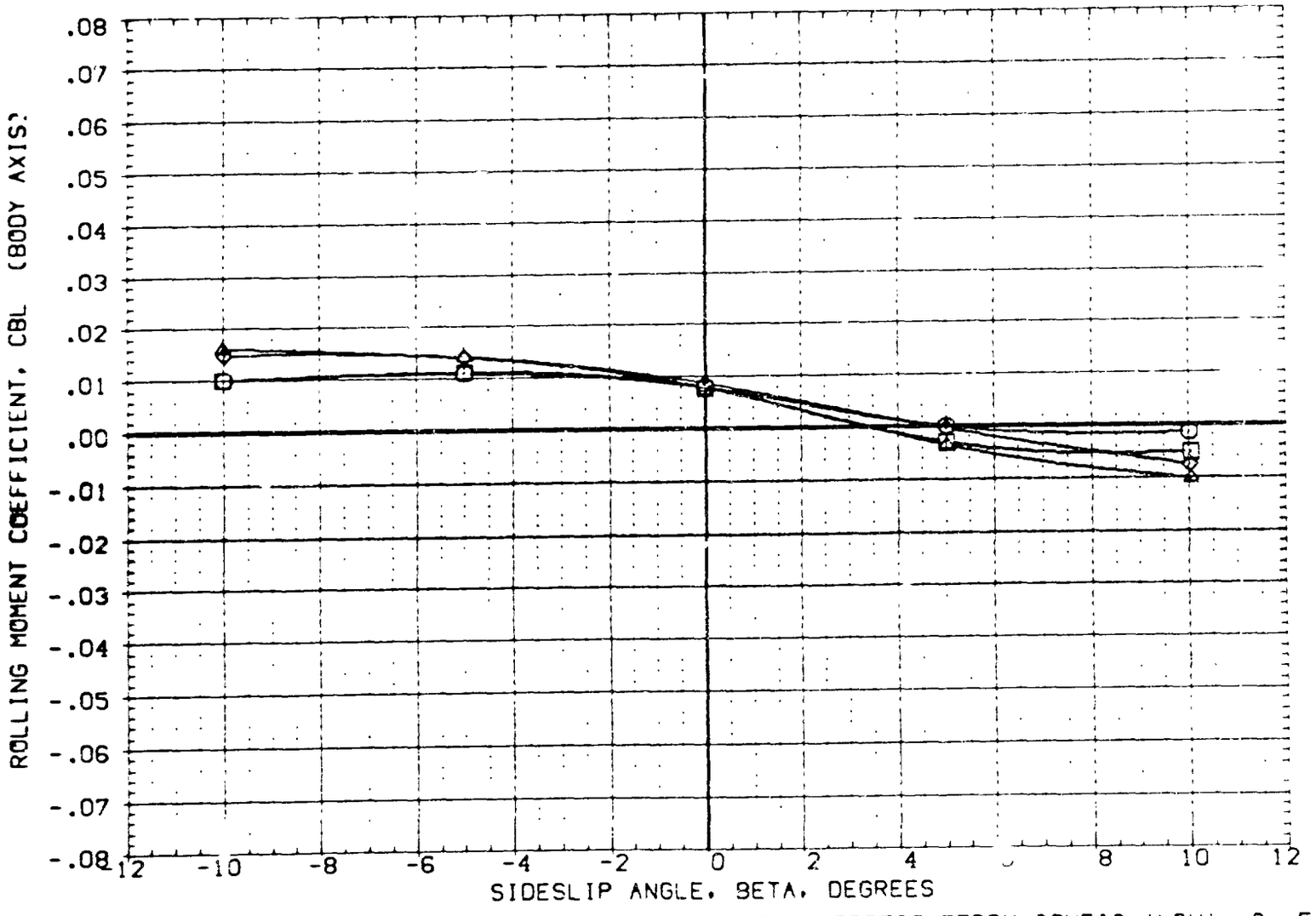



FIG 86 EFFECT OF ANGLE OF ATTACK ON BODY FLAP EFFECT FERRY CONFIG ALPHA= 0, 5

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RDX283) | □ | 0A86 | B49C9 | | W116E26V8R5X9 |
| (RDX303) | □ | 0A86 | B49C9 | F8 | W116E26V8R5X9 |
| (RDX284) | ◇ | 0A86 | B49C9 | | W116E26V8R5X9 |
| (RDX304) | △ | 0A86 | B49C9 | F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | .000 |
| 10.000 | 5.000 | .000 | .000 |
| 15.000 | .000 | .000 | .000 |
| 15.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

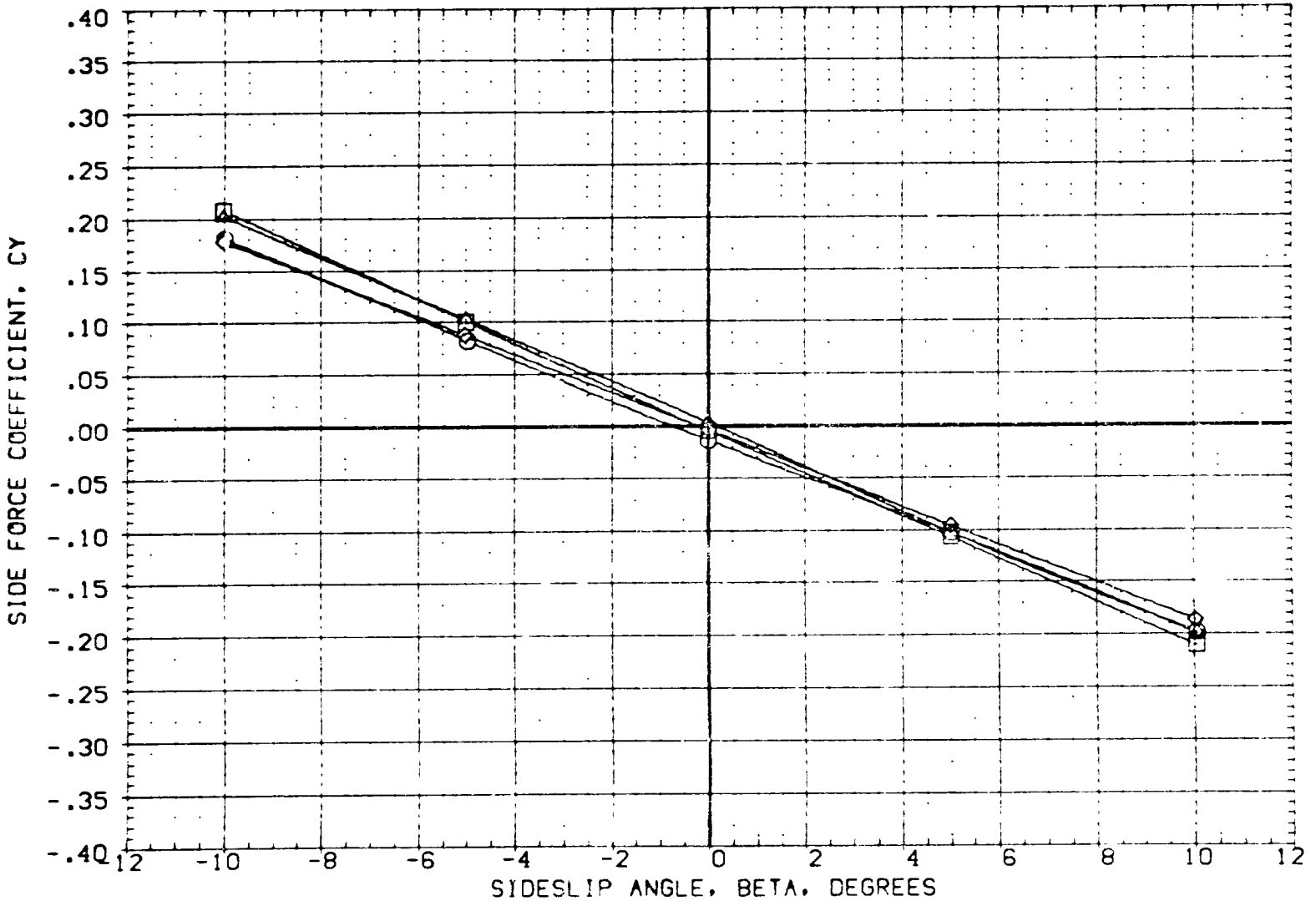



FIG 87 EFFECT OF ANGLE OF ATTACK ON BODY FLAP EFFECT FERRY CONFIG ALPHA=10,15

(A)MACH = .20

| DATA SET | SYMBOL | CONFIGURATION | | DESCRIPTION |
|---|---|---|---|---|
| (ROX283) | □ | 0A86 | B49C9 | W1 6E26V8R5X9 |
| (ROX303) | ○ | 0A86 | B49C9 F8 | W1 [illegible]26V8R5X9 |
| (ROX284) | ◇ | 0A86 | B49C9 | W116E26V8R5X9 |
| (ROX [illegible]) | △ | 0A86 | B49C9 F8 | W116E26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | .000 |
| 10.000 | 5.000 | .000 | .000 |
| 15.000 | .000 | .000 | .000 |
| 15.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATION | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

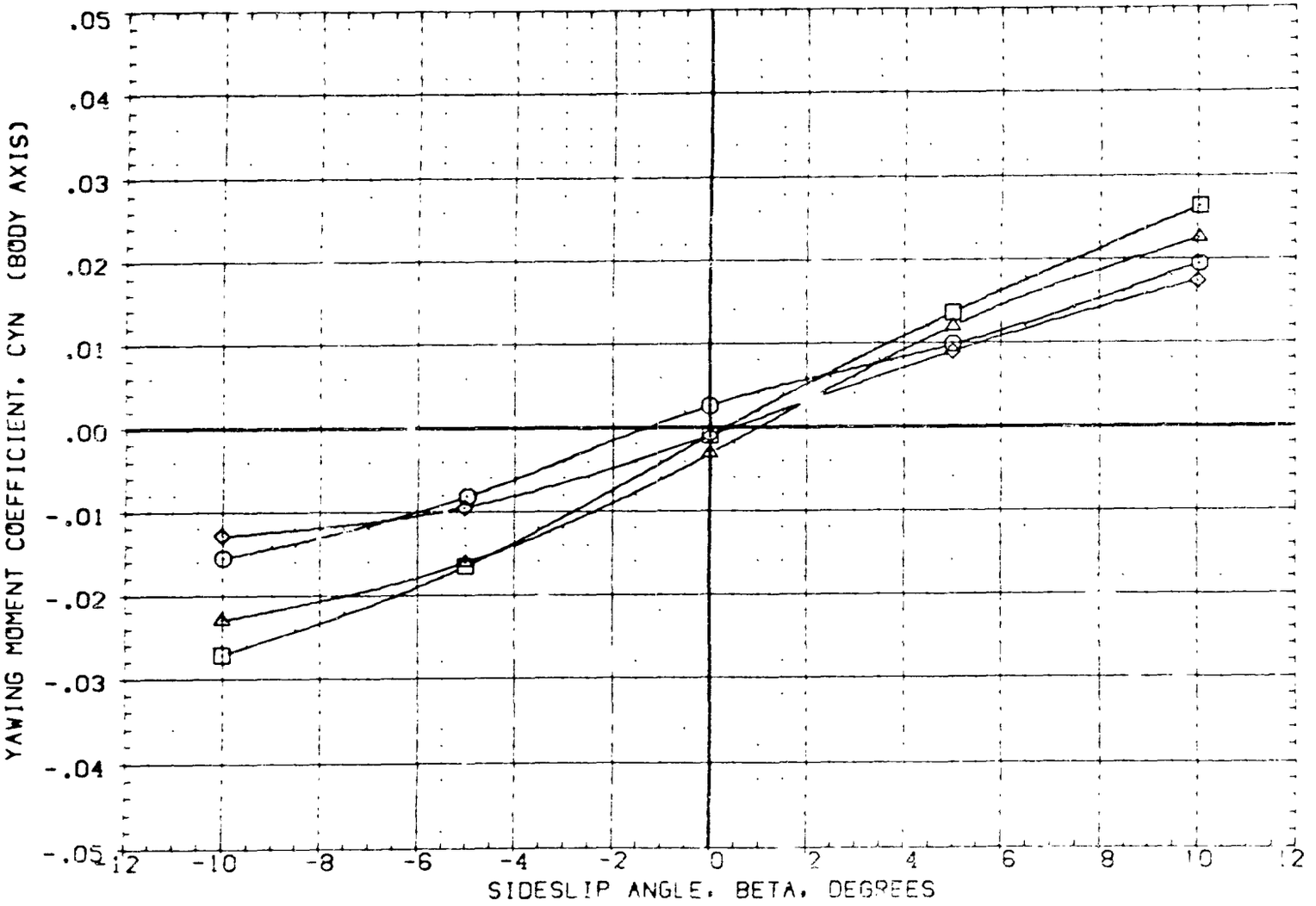



FIG 87 EFFECT OF ANGLE OF ATTACK ON BODY FLAP EFFECT FERRY CONFIG ALPHA 10.15

(ATTACH = .20

| DATA SET | SYMBOL | CONFIGURATION DESCRIPTION | | | |
|---|---|---|---|---|---|
| (RCX283) | □ | OA86 | B49C9 | | W11GE26V8R5X9 |
| (RCX3C3) | ◇ | OA86 | B49C9 | F8 | W11GE26V8R5X9 |
| (RCX284) | ○ | OA86 | B49C9 | | W11GE26V8R5X9 |
| (RCX3C4) | △ | OA86 | B49C9 | F8 | W11GE26V8R5X9 |

| ALPHA | ELEVON | RUDDER | SPOBRK |
|---|---|---|---|
| 10.000 | .000 | .000 | .000 |
| 10.000 | 5.000 | .000 | .000 |
| 15.000 | .000 | .000 | .000 |
| 15.000 | 5.000 | .000 | .000 |

| REFERENCE INFORMATIO | | |
|---|---|---|
| SREF | 4.4119 | SQ.FT. |
| LREF | 19.2460 | INCHES |
| BREF | 37.9671 | INCHES |
| XMRP | 43.5974 | INCHES |
| YMRP | .0000 | INCHES |
| ZMRP | 15.1875 | INCHES |
| SCALE | .0405 | SCALE |

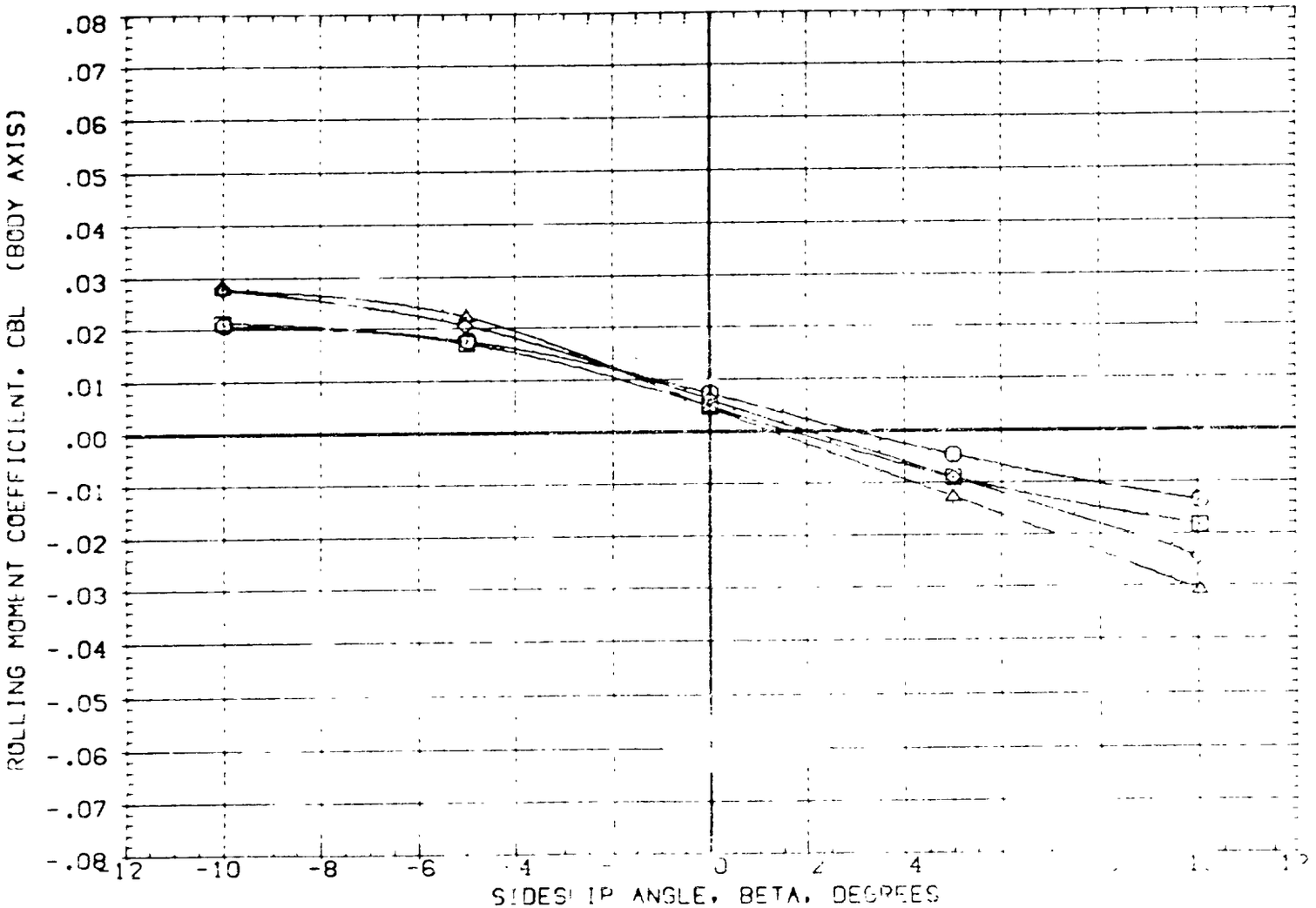



FIG 87 EFFECT OF ANG[illegible] ATT[illegible]ON BODY FLAP EF[illegible]OT FERRY C[illegible]F.G [illegible]5

(A)MACH = .20

# APPENDIX

## TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

OA86 B50C9 M7F8 W116E26V8R5X9 (ROX001) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 1/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.040 | -.26810 | .05850 | .09210 | -.27160 | .03945 | -.00250 | .00400 | -.00600 | .77700 | .04370 |
| .200 | -2.050 | -.19050 | .04750 | .09800 | -.19210 | .04067 | -.00300 | .00370 | -.00100 | .84000 | .04184 |
| .200 | -1.040 | -.14890 | .04240 | .10000 | -.14960 | .03977 | -.00330 | .00180 | -.00100 | .89800 | .04159 |
| .200 | .060 | -.09590 | .03900 | .10140 | -.09580 | .03920 | -.00320 | .00240 | -.00100 | 1.04100 | .04071 |
| .200 | .940 | -.05690 | .03690 | .10200 | -.05630 | .03788 | -.00340 | .00250 | -.00100 | 1.31600 | .04044 |
| .200 | 1.940 | -.00800 | .03560 | .10250 | -.00680 | .03588 | -.00330 | .00300 | -.00100 | 6.19600 | .04007 |
| .200 | 3.940 | .08660 | .03600 | .10360 | .08890 | .02996 | -.00280 | .00340 | -.00100 | .22300 | .03857 |
| .200 | 5.950 | .18480 | .03940 | .10440 | .18790 | .02007 | -.00220 | .00430 | -.00300 | .44700 | .03730 |
| .200 | 7.970 | .28300 | .04850 | .10560 | .28700 | .00881 | -.00180 | .00400 | -.00300 | .51600 | .03637 |
| .200 | 9.960 | .38800 | .06020 | .10540 | .39260 | -.00785 | -.00360 | .00330 | -.00700 | .55300 | .03666 |
| .200 | 11.970 | .49640 | .08100 | .10570 | .50240 | -.02369 | -.00430 | .00270 | -.00400 | .57400 | .03808 |
| .200 | 14.000 | .61340 | .11220 | .10320 | .61940 | -.03885 | -.00450 | .00240 | -.01500 | .59000 | .04062 |
| .200 | 15.990 | .72390 | .15550 | .09880 | .73870 | -.05000 | -.00550 | .00300 | -.01700 | .60200 | .04179 |
| .200 | 18.020 | .83880 | .22110 | .08990 | .86610 | -.04934 | -.00370 | .00114 | -.01500 | .61300 | .04627 |
| .200 | 20.020 | .95580 | .28820 | .08080 | .99690 | -.05673 | -.00430 | -.00130 | -.02800 | .62200 | .05106 |
| .200 | 22.030 | 1.05230 | .35370 | .07860 | 1.10820 | -.06700 | -.00270 | -.00170 | -.03550 | .62600 | .05218 |
| .200 | 24.050 | 1.12510 | .42450 | .08510 | 1.20050 | -.07089 | -.00100 | -.00350 | -.04300 | .62600 | .05639 |
| .200 | 26.110 | 1.14480 | .48300 | .11640 | 1.21960 | -.07004 | -.00180 | -.00760 | -.07100 | .62000 | .06491 |
| .200 | 27.980 | 1.01600 | .48810 | .15960 | 1.12630 | -.04567 | -.00440 | -.01430 | -.02100 | .60100 | .07291 |
| .200 | 29.940 | .92690 | .50230 | .18960 | 1.05390 | -.02739 | -.00190 | -.00430 | -.00000 | .58500 | .07376 |
| | GRADIENT | .04579 | -.00154 | .00410 | .04644 | -.01192 | .00004 | -.00013 | -.00014 | .03593 | -.00061 |

OA86 B50C9 M7F8 W116E26V8R5X9 (ROX002) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 2/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | -.06340 | .03370 | .07310 | -.06350 | .03375 | -.01950 | .00820 | .18800 | 1.11000 | .04616 |
| .200 | -5.030 | -.03775 | .03420 | .09250 | -.08670 | .04020 | -.00990 | .00690 | .08700 | 1.04400 | .04333 |
| .200 | .010 | -.10290 | .03710 | | -.10280 | .03785 | -.00370 | .00170 | .00300 | 1.02200 | .04116 |
| .200 | 5.001 | -.08340 | .03520 | | -.08950 | .03862 | -.00380 | -.00280 | -.00200 | 1.05100 | .04215 |
| .200 | 10.003 | -.07045 | .03660 | .08690 | -.07041 | .02757 | -.01300 | -.00580 | -.18400 | 1.11500 | .04791 |
| | GRADIENT | -.00027 | .00016 | .00078 | .00028 | -.00016 | .00137 | -.00054 | -.01585 | .00070 | -.00039 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX003) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 3/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .16620 | .03230 | .08480 | .16840 | .01785 | -.02180 | .01200 | .19300 | .46600 | .04470 |
| .200 | -5.030 | .14070 | .03450 | .10130 | .14320 | .02229 | -.01160 | .00520 | .10200 | .39100 | .04099 |
| .200 | -.010 | .13840 | .03590 | .10580 | .14100 | .02383 | -.00240 | .00360 | .00000 | .37500 | .03824 |
| .200 | 5.000 | .14260 | .03290 | .10460 | 14430 | .02057 | .00380 | -.00230 | -.08800 | .36500 | .04025 |
| .200 | 10.020 | .16160 | .02470 | .09330 | .16320 | 1062 | .01580 | -.00670 | -.18900 | .44100 | .04425 |
| | GRADIENT | .00013 | -.00016 | -.0033 | .00011 | - .0017 | .00154 | -.00075 | -.01894 | -.00060 | -.00007 |

OA86 B50C9 M7F8 W11(E26V8R5X9 (RDX004) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 4/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .40970 | .05250 | .[illegible]920 | .41260 | -.01938 | -.02650 | .01400 | .21000 | .57200 | .04551 |
| .200 | -5.020 | .39770 | .05220 | .09730 | .40140 | -.01352 | -.01410 | .00630 | .10400 | .54200 | .03942 |
| .200 | -.040 | .39060 | .05850 | .[illegible]450 | .39510 | -.01008 | -.00450 | .00190 | .00900 | .[illegible]100 | .03647 |
| .200 | 5.000 | .39520 | .05340 | .10450 | .39840 | -.01581 | .00410 | -.00650 | -.08100 | .55500 | .03757 |
| .200 | 10.030 | .40920 | .04613 | .09630 | .41490 | -.02538 | .01690 | -.01380 | -.19400 | .56[illegible]00 | .04319 |
| | GRADIENT | -.00435 | -.00428 | .00066 | -.00030 | -.00023 | .00182 | -.00154 | -.01846 | -.00075 | -.00018 |

0A86 B50C9 M7F8 W116E26V8R5X9 (RDX005) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 5/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CY | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.060 | .68120 | .13270 | .07600 | .69230 | -.04814 | -.02220 | .02020 | .20600 | .61100 | .04426 |
| .200 | -5.010 | .67040 | .12920 | .09290 | .68100 | -.04871 | -.01200 | .01190 | .104 0 | .60100 | .04195 |
| .200 | -.040 | .66980 | .12980 | .10050 | .68060 | -.04793 | -.00490 | .00080 | .01[illegible] | .59700 | .04141 |
| .200 | 4.990 | .66440 | .12580 | .10280 | .67430 | -.05037 | .00440 | -.01000 | -.07600 | .59600 | .03859 |
| .200 | 10.010 | .67700 | .12220 | .08710 | .68560 | -.05721 | .01760 | -.02220 | -.18100 | .60500 | .04377 |
| | GRADIENT | -.00060 | -.00034 | .00099 | -.00067 | -.00017 | .00164 | -.00219 | -.01800 | -.00050 | -.00034 |

0A86 B28C9 M7F8 W116E26V8R5X9 (RDX006) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 6/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.040 | -.21250 | .06820 | .08950 | -.26660 | .04955 | .00050 | .00480 | -.01200 | .77500 | .04686 |
| .200 | -2.050 | -.10850 | .05670 | .09720 | -.19040 | .05000 | -.00050 | .00230 | -.00600 | .84000 | .04449 |
| .200 | -1.020 | -.14440 | .05290 | .09870 | -.14530 | .05037 | -.00030 | .00260 | -.00700 | .90200 | .04324 |
| .200 | -.020 | -.09860 | .05030 | .09940 | -.09670 | .05031 | -.00050 | .00280 | -.00500 | 1.02200 | .04249 |
| .200 | .950 | -.05310 | .04870 | .09970 | -.05230 | .04957 | -.00050 | .00290 | -.00500 | 1.35300 | .04206 |
| .200 | 1.960 | -.00570 | .04760 | .10[illegible]3 | -.00410 | .04786 | -.00150 | .00[illegible]0 | -.00600 | 9.58100 | .04085 |
| .200 | 3.950 | .09100 | .04845 | .10100 | .09420 | .04208 | .00010 | .00[illegible]4 | -.01800 | .25700 | .03975 |
| .200 | 5.970 | .18890 | .05320 | .10230 | .19340 | .03332 | .00060 | .00[illegible]5 | -.01500 | .45700 | .03875 |
| .200 | 7.970 | .28550 | .06160 | .10300 | .29130 | .02143 | .00070 | .00480 | -.00600 | .52100 | .03783 |
| .200 | 9.980 | .38990 | .07490 | .10[illegible]6 | .39700 | .00618 | -.00040 | .00360 | -.01400 | .55[illegible]0 | .0373[illegible] |
| .200 | 12.000 | .49690 | .09430 | .10[illegible]60 | .50570 | -.01110 | -.00130 | .00250 | -.01[illegible]30 | .57[illegible]0 | .0397[illegible] |
| .200 | 13.990 | .61350 | .12490 | .11[illegible]40 | .62550 | -.02717 | -.00100 | .00[illegible]20 | .[illegible]0000 | .5[illegible] | .04185 |
| .200 | 16.010 | .72620 | .16610 | .09630 | .74440 | -.03871 | -.00140 | .00[illegible]30 | .01100 | .6[illegible]0 | .04368 |
| .200 | 18.020 | .83310 | .21290 | .09220 | .86430 | -.03029 | .00070 | .00[illegible]10 | .00000 | .612[illegible] | .0[illegible]46[illegible] |
| .200 | 20.020 | .94650 | .29670 | .08660 | .99090 | -.04534 | -.00120 | -.00[illegible]20 | .00400 | .61[illegible] | .[illegible]29 |
| .200 | 22.040 | 1.04470 | .36370 | .08560 | 1.10490 | -.05485 | .00040 | .00[illegible]20 | .00000 | .623[illegible] | .[illegible]5092 |
| .200 | 24.040 | 1.11130 | .43110 | .09130 | 1.19060 | -.05903 | .00[illegible]60 | .00[illegible]30 | .00000 | .62[illegible] | .[illegible]54[illegible] |
| .200 | 26.020 | 1.10700 | .47[illegible]75 | .12230 | [illegible]440 | -.05646 | .00150 | .00920 | -.00600 | .614[illegible] | .06185 |
| .200 | 27.960 | .97260 | .48[illegible]3 | .17[illegible]5 | [illegible]9443 | -.03172 | -.00110 | .02693 | -.02600 | .59200 | .07044 |
| .200 | 29.94[illegible] | .[illegible]960 | .4369[illegible] | .13[illegible]8 | [illegible]8620 | -.02337 | -.00010 | .00[illegible]52 | -.[illegible]3[illegible] | .58100 | .07178 |
| | GRADIE[illegible] | .04570 | -.00159 | .[illegible]0103 | .4655 | .00156 | .00004 | .00011 | .00006 | .03788 | -.00079 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

OA66 B28C9 M7F8 W116E26V8R5X9 (RDX007) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 7/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | -.06660 | .04530 | .07970 | -.06660 | .04535 | -.01520 | .00870 | .17700 | 1.09200 | .04516 |
| .200 | -5.020 | -.08560 | .05180 | .09090 | -.08560 | .05180 | -.00560 | .00740 | .07800 | 1.04300 | .04339 |
| .200 | .030 | -.10040 | .04970 | .10080 | -.10040 | .04971 | -.00080 | .00130 | -.0 30 | 1.02100 | .04255 |
| .200 | 5.000 | -.08650 | .04830 | .09330 | -.08650 | .04836 | .00570 | -.00180 | -.08600 | 1.05700 | .04400 |
| .200 | 10.020 | -.07030 | .04110 | .08600 | -.07030 | .04113 | .01430 | -.00530 | -.18100 | 1.10100 | .04524 |
| | GRAC.EN | -.00011 | -.00035 | .00045 | -.00011 | -.00034 | .00113 | -.00092 | -.01636 | .00137 | .00006 |

OA66 B28C9 M7F8 W116E26V8R5X9 (RDX008) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 8/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .16450 | .04510 | .06510 | .16 80 | .03066 | -.01750 | .01260 | .18400 | .46500 | .04312 |
| .200 | -5.030 | .14860 | .04680 | 1 440 | .14350 | .03454 | -.00770 | .00550 | .09300 | .39500 | .04202 |
| .200 | -.020 | .14150 | .04260 | .1 3.0 | .14520 | .03617 | .00080 | .00401 | -.00510 | 38800 | .03942 |
| .200 | 5.010 | .14460 | .04460 | .10330 | .14810 | .03196 | .00590 | -.00200 | -. 3000 | .39500 | .04246 |
| .200 | 10.020 | .16140 | .03540 | 09410 | .16390 | .04131 | .01730 | -.00330 | -.18400 | .44200 | .04469 |
| | GRADIENT | .00048 | -.00022 | .00033 | .00046 | -.00026 | .00136 | -.00075 | -.01828 | .00033 | 1 04 |

OA86 B28C9 M7F8 W116E26V8R5X9 (RDX009) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2480 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BOFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 9/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .40420 | .06260 | .09080 | .40890 | -.00834 | -.02260 | .01440 | .20000 | .57000 | .04624 |
| .200 | -5.020 | .39720 | .07100 | .09550 | .40350 | .00113 | -.00990 | .00910 | .09500 | .56500 | .03862 |
| .200 | .000 | .39060 | .07200 | .10680 | .39720 | .00334 | -.00060 | .00240 | .00100 | .55300 | .03813 |
| .200 | 5.010 | .39690 | .06310 | .10560 | .40180 | -.00661 | .00650 | -.00690 | -.08300 | .55500 | .04235 |
| .200 | 10.050 | .40550 | .05830 | .09860 | .40950 | -.01285 | .01760 | -.01460 | -.18300 | .56300 | .04499 |
| | GRADIENT | -.00003 | -.00079 | .00103 | -.00017 | -.00077 | .00164 | -.00160 | -.01775 | -.00100 | .00037 |

OA86 B28C9 M7F8 W116E26V8R5X9 (RDX010) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2480 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BOFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 10/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | C - | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .67310 | .14340 | .07960 | .68720 | -.03588 | -.02020 | .02120 | .19900 | .60900 | .04208 |
| .200 | -5.040 | .66550 | .14090 | .09570 | .67930 | -.03611 | -.00880 | .01300 | .09200 | .60000 | .04094 |
| .200 | .000 | .67140 | .14370 | .10230 | .68570 | -.03507 | -.00260 | .00220 | .00900 | .59700 | .04220 |
| .200 | 5.000 | .66220 | .13530 | .10560 | .67470 | -.04072 | .00640 | -.00310 | -.08000 | .59400 | .04248 |
| .200 | 10.020 | .67160 | .13240 | .09160 | .68300 | -.04606 | .01910 | -.02130 | -.18500 | .60200 | .04446 |
| | GRADIENT | -.00033 | -.00056 | .00099 | -.00046 | -.00046 | .00151 | -.00220 | -.01713 | -.00060 | .00015 |

0486 B29CS M7F8 W116E26V8R5X9 (RDX011) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 11/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.050 | -.26620 | .05900 | .09010 | -.26970 | .04017 | -.00110 | .00480 | -.01000 | .77500 | .04376 |
| .200 | -2.050 | -.19130 | .04700 | .09690 | -.19280 | .04017 | -.00180 | .00170 | -.00200 | .83700 | .04216 |
| .200 | -1.020 | -.14860 | .04270 | .09860 | -.14930 | .04010 | -.00200 | .00160 | -.00300 | .89500 | .04155 |
| .200 | -.030 | -.11110 | .03870 | .10000 | -.10120 | .03871 | -.00200 | .00200 | -.00200 | 1.01600 | .04139 |
| .200 | .960 | -.05310 | .03730 | .10020 | -.05240 | .03821 | -.00200 | .00250 | -.00300 | 1.35400 | .03972 |
| .200 | 1.970 | -.00580 | .03550 | .10090 | -.00460 | .03570 | -.00210 | .00280 | -.00300 | 8.71100 | .04007 |
| .200 | 3.950 | .09030 | .03560 | .10150 | .09250 | .02931 | -.00180 | .00320 | -.00300 | .24800 | .03865 |
| .200 | 5.970 | .16820 | .04010 | .10230 | .19140 | .02037 | -.00120 | .00440 | -.00500 | .45500 | .03777 |
| .200 | 7.970 | .28640 | .04940 | .11380 | .29400 | .00884 | -.00090 | .00440 | -.00400 | .52000 | .03628 |
| .200 | 9.960 | .38460 | .06180 | .10350 | .39350 | -.00647 | -.00200 | .00350 | -.00100 | .55570 | .03612 |
| .200 | 12.000 | .50160 | .08150 | .11440 | .51760 | -.02450 | -.00310 | .00210 | -.00200 | .57600 | .03820 |
| .200 | 13.990 | .61060 | .11320 | .11420 | .62810 | -.03786 | -.00370 | .00260 | -.00300 | .58200 | .03924 |
| .200 | 16.000 | .72780 | .15580 | .09690 | .74250 | -.05086 | -.00370 | .00290 | -.00400 | .60400 | .04255 |
| .200 | 18.090 | .84450 | .22350 | .04790 | .86240 | -.04876 | -.00450 | .00140 | -.00200 | .61500 | .04579 |
| .200 | 20.040 | .95560 | .32050 | .00470 | .99620 | -.05587 | -.00280 | -.00160 | .00100 | .63000 | .04927 |
| .200 | 22.040 | 1.06260 | .46150 | .07640 | 1.12540 | -.06491 | -.00190 | .00160 | .00300 | .62700 | .05273 |
| .200 | 24.060 | 1.13050 | .62860 | .10360 | 1.20710 | -.06935 | .00010 | .00340 | .00400 | .62600 | .05672 |
| .200 | 26.040 | 1.13760 | .78010 | .11790 | 1.23330 | -.06723 | .00070 | .00720 | .00600 | .62000 | .06063 |
| .200 | 27.980 | 1.04410 | .88690 | .16370 | 1.11530 | -.04419 | -.00320 | .00230 | -.00150 | .59800 | .07462 |
| .200 | 29.940 | .92770 | .98150 | .19230 | 1.05410 | -.02453 | -.00460 | .00450 | .00100 | .56500 | .07367 |
| | GRADIENT | .04611 | -.00181 | .00104 | .04675 | -.00196 | -.00040 | .00044 | .00026 | .00365 | -.00059 |

0486 B29CS M7F8 W116E26V8R5X9 (RDX012) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 12/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -5.990 | -.6430 | .03390 | .1 | -.6431 | .3391 | -.1820 | .0150 | .1600 | 1.1 | .6413 |
| .200 | -3.020 | -.8451 | .0341 | .1 | -.8450 | .4 | -.8 | .0 | .1 | 1.1 | .6 |
| .200 | -1.0 | -.9 | .377 | .1 | -.9 | .4 | -.91 | .0 | .1 | 1.1 | .6 |
| .200 | .0 | -.9 | .4 | .1 | -.9 | .4 | -.9 | -.0 | -.0 | 1.1 | .6 |
| .200 | 1.0 | -.9 | .4 | .1 | -.9 | .4 | -.9 | .0 | -.0 | 1.1 | .6 |
| .200 | 3.0 | -.8 | .4 | .1 | -.8 | .4 | -.8 | .0 | -.0 | 1.1 | .6 |
| .200 | 5.0 | -.7 | .4 | .1 | -.7 | .4 | -.7 | .0 | -.0 | 1.1 | .6 |
| .200 | 6.0 | -.6 | .4 | .1 | -.6 | .4 | -.6 | .0 | -.0 | 1.1 | .6 |
| | GRADIENT | .0 | -.0 | .0 | .0 | -.0 | .0 | .0 | .0 | .0 | -.0 |

DATE 11 APR 74 0486 MAAL 716

0486 B29C9 M7F8 W116E26V8R5X9 (RDX013) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRF = 25.000

RUN NO. 13/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .16920 | .03170 | .08370 | .17130 | .01689 | -.02030 | .01250 | .19200 | .47200 | .04414 |
| .200 | -5.010 | .14080 | .03440 | .10020 | .14 30 | .02215 | -.00980 | .00520 | .09900 | .3940( | .04046 |
| .200 | .010 | .14290 | .03550 | .10370 | .14 40 | .02303 | -.00140 | .00320 | .00000 | .38900 | .03798 |
| .200 | 5.000 | .14460 | .03360 | .10240 | .14700 | .02097 | .00540 | -.00180 | -.09200 | .39500 | .03960 |
| .200 | 10.040 | .16450 | .02400 | .09230 | .16600 | .01067 | .01760 | -.00840 | -.19100 | .44700 | .04397 |
| | GRADIENT | .00038 | -.00008 | .00122 | .00037 | -.00012 | .00152 | -.00070 | -.01908 | .00010 | -.00007 |

0486 B29C9 M7F8 W116E26V8R5X9 (RDX014) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.040 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRF = 25.000

RUN NO. 14/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .41280 | .05210 | .13620 | .41560 | -.02120 | -.02490 | .11460 | .20600 | .57400 | .04542 |
| .200 | -4.990 | .40110 | .05650 | .13670 | .40490 | -.01389 | -.01240 | .11900 | .10200 | .56400 | .04137 |
| .200 | -.010 | .39270 | .05660 | .13660 | .39700 | -.01034 | -.00210 | .11220 | .00500 | .55300 | .03877 |
| .200 | 5.000 | .39860 | .05410 | .13400 | .40190 | -.01578 | .00570 | -.00690 | -.08200 | .55600 | .03954 |
| .200 | 10.050 | .41 [illegible] | .04 [illegible] | .13 [illegible] | .41220 | -.02481 | .01 [illegible] | -.00410 | -.18900 | .56500 | .04364 |
| | GRADIENT | -.00 [illegible] | -.00124 | .00 [illegible] | -.00 [illegible] | -.00019 | .00 [illegible] | -.00 [illegible] | -.01842 | .00 [illegible] | -.00 13 |

0486 B29C9 M7F8 W116E26V8R5X9 (RDX015) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0403 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 15/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2X | -10.000 | .68020 | .13220 | .07550 | .69120 | -.04842 | -.02200 | .02020 | .20500 | .61100 | .04355 |
| .2X | -4.98 | .6664 | .1286 | .07396 | .6775 | -.04824 | -.01110 | .01279 | .03970 | .60100 | .04013 |
| .2X | .046 | .66908 | .12930 | .07150 | .67960 | -.04833 | -.00400 | .00160 | .01400 | .59700 | .04110 |
| .2X | 5.050 | .66406 | .12510 | .07250 | .67370 | -.05104 | .00490 | -.00960 | -.07800 | .59600 | .03952 |
| .2X | 10.040 | .6779 | .12250 | .08720 | .66650 | -.05719 | .01940 | -.02160 | -.18690 | .60500 | .04468 |
| | GRADIENT | -.00424 | -.00035 | .00084 | -.00033 | -.00028 | .00160 | -.00223 | -.01768 | -.00450 | -.00046 |

0486 B30C9 M7F8 W116E26V8R5X9 (RDX016) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0403 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 16/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2X | -4.040 | -.2679 | .05930 | .0[illegible] | -.27150 | .04087 | -.00340 | .01520 | -.11200 | .77400 | .05360 |
| .2X | -2.[illegible] | -.1865 | .04740 | .0[illegible] | -.19990 | .04063 | -.00130 | .01[illegible] | -.08[illegible] | .83700 | .04274 |
| .2X | -1.040 | -.1464 | .04340 | .0[illegible] | -.14350 | .04077 | -.00150 | .01[illegible] | -.06500 | .8950 | .04126 |
| .2X | -.040 | -.1053 | .03950 | .01[illegible] | -.10310 | .03924 | -.00160 | .01[illegible] | -.04[illegible] | 1.0100 | .04088 |
| .2X | .960 | -.0653 | .03690 | .01[illegible] | -.06470 | .03785 | -.00150 | .00[illegible] | -.02[illegible] | 1.3310 | .04086 |
| .2X | 1.960 | -.0271 | .03[illegible] | .01[illegible] | -.02[illegible] | .03660 | -.00[illegible] | .00[illegible] | -.01[illegible] | 6.9760 | .04085 |
| .2X | 3.960 | .0131 | .03[illegible] | .01[illegible] | .01[illegible] | .03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .2440 | .04094 |
| .2X | 5.960 | .0533 | .03[illegible] | .01[illegible] | .0538 | .03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .4540 | .04091 |
| .2X | 7.960 | .0936 | .04[illegible] | .01[illegible] | .09[illegible] | .03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .5230 | .04[illegible] |
| .2X | 9.950 | .1326 | .04[illegible] | .01[illegible] | .13[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .5700 | .04[illegible] |
| .2X | 11.96 | .1726 | .05[illegible] | .01[illegible] | .17[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .5[illegible] | .04[illegible] |
| .2X | 13.96 | .2123 | .06[illegible] | .01[illegible] | .21[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .5[illegible] | .04[illegible] |
| .2X | 15.95 | .2524 | .07[illegible] | .01[illegible] | .25[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| .2X | 17.95 | .2923 | .08[illegible] | .01[illegible] | .29[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| .2X | 19.95 | .3324 | .09[illegible] | .01[illegible] | .33[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| .2X | 21.95 | .3724 | .10[illegible] | .01[illegible] | .37[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| .2X | 23.95 | .4123 | .11[illegible] | .01[illegible] | .41[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| .2X | 25.95 | .4523 | .12[illegible] | .01[illegible] | .45[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| .2X | 27.95 | .4923 | .13[illegible] | .01[illegible] | .49[illegible] | -.03[illegible] | -.00[illegible] | .00[illegible] | -.00[illegible] | .6[illegible] | .04[illegible] |
| | GRADIENT | .0400 | .0100 | .0000 | .0400 | -.0000 | .0000 | .0000 | -.0000 | .0000 | .0000 |
| | | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 |

OA86 B30C9 M7F8 W116E26V8R5X9 (RDX017) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 17/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | -.06010 | .03140 | .07640 | -.06010 | .03138 | -.02000 | .00750 | .18800 | 1.11900 | .04598 |
| .200 | -5.000 | -.08510 | .03790 | .08910 | -.08510 | .03787 | -.01090 | .00570 | .09100 | 1.03700 | .04260 |
| .200 | .000 | -.10370 | .03770 | .10140 | -.10370 | .03767 | -.00170 | .00180 | .00000 | 1.01200 | .04203 |
| .200 | 5.010 | -.08920 | .03520 | .09510 | -.08930 | .03524 | .00680 | -.00070 | -.09200 | 1.04400 | .04258 |
| .200 | 10.050 | -.07110 | .02650 | .08560 | -.07110 | .02647 | .01480 | -.00560 | -.18400 | 1.09500 | .04823 |
| | GRADIENT | -.00041 | -.00027 | .00060 | -.00042 | -.00026 | .00177 | -.00064 | -.01828 | .00070 | -.00000 |

OA86 B30C9 M7F8 W116E26V8R5X9 (RDX018) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 18/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .16750 | .03220 | .08380 | .16960 | .01762 | -.01940 | .01350 | .18900 | .47000 | .04431 |
| .200 | -5.010 | .14470 | .03250 | .09800 | .14700 | .01990 | -.01130 | .00440 | .10100 | .40600 | .04133 |
| .200 | .000 | .14090 | .03450 | .10380 | .14340 | .02218 | -.00160 | .00330 | .00000 | .38500 | .03858 |
| .200 | 5.010 | .14280 | .03290 | .10330 | .14510 | .02043 | .00560 | -.00150 | -.09200 | .39000 | .03978 |
| .200 | 10.030 | .16490 | .02480 | .09250 | .16640 | .01043 | .01820 | -.00780 | -.19400 | .44700 | .04427 |
| | GRADIENT | -.00019 | .00004 | .00053 | -.00019 | .00005 | .00169 | -.00059 | -.01926 | -.00160 | -.00015 |

OA86 B30C9 M7F8 W116E26V8R5X9 (RDX019) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 19/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .40830 | .05180 | .08740 | .41110 | -.01984 | -.02430 | .01520 | .20600 | .57300 | 04569 |
| .200 | -5.000 | .39930 | .05710 | .09500 | .40310 | -.01294 | -.01110 | .00990 | .09800 | .56500 | .03953 |
| .200 | -.010 | .39490 | .05820 | .10390 | .39910 | -.01110 | -.00260 | .00240 | .00500 | .55600 | .03648 |
| .200 | 5.010 | .39780 | .05230 | .10330 | .40080 | -.01732 | .00590 | -.00640 | -.08400 | .55700 | .03922 |
| .200 | 10.040 | .41110 | .04740 | .09590 | .41310 | -.02451 | .01860 | -.01450 | -.18800 | .56600 | .04404 |
| | GRADIENT | -.00013 | -.00048 | .00083 | -.00023 | -.00044 | .00170 | -.00163 | -.01818 | -.00080 | -.00003 |

OA86 B30C9 M7F8 W116E26V8R5X9 (RDX020) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 20/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .67060 | .12860 | .08230 | .68100 | -.04922 | -.02180 | .02500 | .20400 | .60700 | .04482 |
| .200 | -5.030 | .66170 | .12620 | .09660 | .67180 | -.04921 | -.0[illegible]170 | .01400 | .10100 | .59900 | .04052 |
| .200 | -.030 | .66970 | .12960 | .10180 | .68040 | -.04804 | -.00350 | .00210 | .01300 | .59700 | .04063 |
| .200 | 4.990 | .66890 | .12530 | .10200 | .67850 | -.05199 | .00530 | -.00890 | -.08000 | .59600 | .03985 |
| .200 | 10.020 | .68050 | .12570 | .08490 | .68990 | -.05458 | .01950 | -.02150 | -.18700 | .60500 | .04435 |
| | GRADIENT | .00072 | -.00009 | .00054 | .00067 | -.00028 | .00170 | -.00229 | -.01806 | -.00030 | -.00007 |

OA86 B31C9 MTF8 W116E26V8R3X9 (RDX021) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 21/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.020 | -.26900 | .05870 | .09050 | -.27250 | .03966 | -.00070 | .00490 | -.01000 | .77400 | .04391 |
| .200 | -2.030 | -.18860 | .04710 | .09600 | -.19020 | .04040 | -.00150 | .00350 | -.00600 | .83700 | .04281 |
| .200 | -1.040 | -.14780 | .04240 | .09820 | -.14850 | .03973 | -.00170 | .00290 | -.00500 | .89500 | .04150 |
| .200 | -.030 | -.10370 | .03820 | .10070 | -.10370 | .03819 | -.00170 | .00300 | -.00400 | 1.00900 | .04150 |
| .200 | .950 | -.05600 | .03630 | .10130 | -.05540 | .03731 | -.00180 | .00330 | -.00400 | 1.32400 | .04173 |
| .200 | 1.970 | -.00690 | .03500 | .10180 | -.00770 | .03536 | -.00180 | .00340 | -.00400 | 5.49100 | .04062 |
| .200 | 3.960 | .08940 | .03460 | .10290 | .09160 | .02836 | -.00150 | .00380 | -.00400 | .23400 | .03913 |
| .200 | 5.970 | .18890 | .03870 | .10320 | .19190 | .01884 | -.00180 | .00442 | -.00400 | .45400 | .03675 |
| .200 | 7.970 | .28920 | .04680 | .10300 | .29290 | .00621 | -.00190 | .00480 | -.00500 | .52200 | .03676 |
| .200 | 9.990 | .39210 | .05960 | .10370 | .39650 | -.00929 | -.00180 | .00370 | -.00200 | .55500 | .03668 |
| .200 | 12.000 | .49970 | .07990 | .10450 | .50540 | -.02577 | -.00250 | .00260 | .00000 | .57600 | .03749 |
| .200 | 13.990 | .61360 | .11150 | .10180 | .62230 | -.04011 | -.00260 | .00260 | .00030 | .59150 | .03966 |
| .200 | 16.000 | .72610 | .15400 | .09850 | .74040 | -.05291 | -.00234 | .00350 | .00050 | .60300 | .04251 |
| .200 | 18.030 | .84500 | .21820 | .08960 | .87100 | -.06412 | -.00210 | .00410 | -.00030 | .61470 | .04540 |
| .200 | 20.040 | .95280 | .28660 | .08260 | .99340 | -.06726 | -.00170 | .00470 | .00030 | .62140 | .04883 |
| .200 | 22.050 | 1.06020 | .35650 | .07760 | 1.11710 | -.06795 | -.00110 | .00290 | .00110 | .62600 | .05216 |
| .200 | 24.050 | 1.12970 | .42540 | .05090 | 1.20430 | -.07168 | -.00160 | .00370 | .00130 | .62600 | .05657 |
| .200 | 26.040 | 1.14590 | .48450 | .10150 | 1.24220 | -.04773 | .00070 | .00500 | -.00210 | .62000 | .06017 |
| .200 | 27.990 | 1.04360 | .49960 | .15870 | 1.15940 | -.04865 | -.00010 | .00370 | -.00150 | .60100 | .07241 |
| .200 | 29.940 | .93260 | .51220 | .19340 | 1.12660 | -.03134 | .00030 | .00250 | .00140 | .58100 | .07488 |
| | GRADIENT | .04617 | -.00194 | .00113 | .04620 | -.00258 | -.00008 | -.00001 | .00043 | .02410 | -.00055 |

OA86 B31C9 MTF8 W116E26V8R5X9 (RDX022) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.246 INCHES YMRP = .0000 INCHES
BREF = 37.967 INCHES ZMRP = 15.1875 INCHES
SCALE = .04[illegible] SCALE

PARAMETRIC DATA

ALPHA = .[illegible] BOFLAP = -12.0
ELEVON = . AILRON =
RUDDER = . SPDBRK = 25

RUN NO. 22/ . RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | -.1536 | 325 | .07740 | -.0588 | .03058 | -.0196 | 741 | .1690 | 1.142 | .4595 |
| .200 | -5.03 | -.0817 | 374 | .[illegible] | -.[illegible] | .03746 | -.[illegible] | 6 | .[illegible]31 | 1.[illegible] | .4914 |
| .200 | -.02 | -.[illegible] | .[illegible]37 | .[illegible]2 | -.1[illegible] | .[illegible]3714 | -.[illegible] | .[illegible]3 | .[illegible] | 1.[illegible]2 | .4173 |
| .200 | [illegible] | -.0668 | 43 | [illegible] | -.666 | .3632 | .52 | -.[illegible] | -.[illegible]670 | 1.[illegible] | .[illegible]2[illegible] |
| .200 | 1 | -.0721 | 25 | .[illegible] | -.[illegible]721 | .[illegible]2547 | 152[illegible] | -.[illegible] | -.1[illegible]4 | .1 | .4 55 |
| | GRADIENT | -.[illegible]49 | -.[illegible]1 | .[illegible] | -.[illegible]4[illegible] | -.[illegible]11 | .62 | -.[illegible]76 | -.[illegible]1775 | | [illegible] |

OA86 B31C9 M7F8 W116E26V8R5X9 (PDX023) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 1" 1875 INCHES | | |
| SCALE = | .0405 SC E | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBRK = | 25.000 |

RUN NO. 23/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .16520 | .03160 | .08450 | .16730 | .01713 | -.01940 | .01360 | .18800 | .46600 | .04428 |
| .200 | -5.030 | .14530 | .03260 | .09840 | .14760 | .01991 | -.01160 | .00420 | .10400 | .49600 | .04110 |
| .200 | -.010 | .14090 | .03440 | .10450 | .14340 | .02207 | -.00150 | .00340 | .[illegible] | .38300 | .03790 |
| .200 | 5.000 | .14290 | .03130 | .10520 | .14510 | .01883 | .00610 | -.00170 | -.09400 | .36500 | .04050 |
| .200 | 10.020 | .16260 | .02340 | .09330 | .16410 | .00929 | .01820 | -.00780 | -.19390 | .44200 | .04410 |
| | GRADIENT | -.00024 | -.00013 | .00068 | -.00025 | -.00011 | .00176 | -.00052 | -.01974 | -.04209 | -.00006 |

OA86 B31C9 M7F8 W116E26V8R5X9 (PDX024) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBRK = | 25.000 |

RUN NO. 24/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .41000 | .05090 | .08990 | .41260 | -.02095 | -.02410 | .01570 | .20500 | .5729 | .04607 |
| .200 | -5.030 | .39980 | .05710 | .09560 | .40375 | -.01302 | -.01112 | .[illegible] | .[illegible] | .5641 | .03918 |
| .200 | -.020 | .39590 | .05760 | .10530 | .39990 | -.01195 | -.00619 | .[illegible] | .[illegible] | .5555 | .3683 |
| .200 | 4.990 | .39790 | .05210 | .10490 | .40490 | -.01762 | .00620 | -.00630 | -.[illegible] | .5551 | .03901 |
| .200 | 10.020 | .41940 | .04580 | .09750 | .41110 | -.02563 | .01650 | -.01330 | -.14750 | .5641 | .04406 |
| | GRADIENT | -.00419 | -.00150 | .00093 | -.00028 | -.00046 | .00175 | -.00164 | -.01826 | -.[illegible] | -.00072 |

OA86 B31C9 M7F8 W116E26V8R5X9 (RDX025) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 25/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .67160 | .12900 | .08250 | .68210 | -.04928 | -.02210 | .02430 | .20600 | .60700 | .04419 |
| .200 | -5.010 | .66130 | .12660 | .09670 | .67150 | -.04889 | -.01130 | .01360 | .10200 | .59900 | .04015 |
| .200 | -.010 | .67140 | .13120 | .10080 | .68260 | -.04693 | -.00320 | .00240 | .01000 | .59700 | .04108 |
| .200 | 5.000 | .66780 | .12740 | .10240 | .67800 | -.04980 | .00620 | -.00850 | -.08200 | .59600 | .03989 |
| .200 | 10.030 | .67690 | .12500 | .08740 | .68620 | -.05448 | .02070 | -.02150 | -.18900 | .60500 | .04371 |
| | GRADIENT | .00065 | .00008 | .00057 | .00065 | -.00009 | .00175 | -.00221 | -.01838 | -.00030 | -.00003 |

OA86 B32C9 M7F8 W116E26V8R5X9 (RDX026) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 26/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.030 | -.25600 | .05890 | .08480 | -.25950 | .04078 | .00010 | .00500 | -.01200 | .77200 | .04551 |
| .200 | -2.040 | -.17650 | .04700 | .09090 | -.17810 | .04069 | -.00060 | .00400 | -.00900 | .83900 | .04439 |
| .200 | -1.020 | -.13790 | .04320 | .09430 | -.13870 | .04077 | -.00070 | .00310 | -.00700 | .90200 | .04240 |
| .200 | -.040 | -.09340 | .03930 | .09610 | -.09340 | .03930 | -.00120 | .00340 | -.00700 | 1.03000 | .04224 |
| .200 | .970 | -.04540 | .03690 | .09710 | -.04480 | .03767 | -.00090 | .00340 | -.00500 | 1.44900 | .04212 |
| .200 | 1.960 | .00160 | .03690 | .09690 | .00290 | .03595 | -.00160 | .00360 | -.00500 | -11.62100 | .04101 |
| .200 | 3.950 | .09770 | .03570 | .09800 | .09990 | .02895 | -.00070 | .00380 | -.00600 | .29100 | .03928 |
| .200 | 5.970 | .19580 | .04050 | .09740 | .19890 | .01995 | -.00070 | .00410 | -.00500 | .47100 | .03729 |
| .200 | 8.070 | .30310 | .04930 | .09730 | .30700 | .00622 | -.00130 | .00420 | -.00400 | .53500 | .03584 |
| .200 | 9.970 | .40120 | .06120 | .09830 | .40570 | -.00917 | -.00090 | .00380 | -.00300 | .56200 | .03697 |
| .200 | 12.080 | .51440 | .08250 | .09690 | .52020 | -.02734 | -.00160 | .00300 | -.00100 | .58200 | .03913 |
| .200 | 14.000 | .62170 | .11250 | .09710 | .63040 | -.04126 | -.00200 | .00230 | .00020 | .59500 | .04078 |
| .200 | 16.000 | .73680 | .15690 | .09390 | .75150 | -.05225 | -.00230 | .00400 | .00250 | .60600 | .04288 |
| .200 | 18.020 | .84800 | .22040 | .08530 | .87460 | -.05284 | .00320 | .00450 | -.00600 | .61600 | .04578 |
| .200 | 20.050 | .95810 | .29050 | .07810 | .99960 | -.05551 | -.00060 | -.00050 | .00100 | .62300 | .04998 |
| .200 | 22.050 | 1.06670 | .35910 | .07540 | 1.12350 | -.06773 | .00040 | .00250 | .00000 | .62700 | .05381 |
| .200 | 24.060 | 1.13330 | .42910 | .08160 | 1.20980 | -.07036 | .00170 | .00350 | -.00300 | .62400 | .05628 |
| .200 | 26.030 | 1.15020 | .49200 | .11650 | 1.24550 | -.07070 | .00100 | .00540 | -.00200 | .62000 | .06552 |
| .200 | 27.990 | 1.04490 | .53100 | .15700 | 1.15710 | -.04938 | .00090 | .01480 | -.01400 | .60100 | .07221 |
| .200 | 29.970 | .92980 | .57100 | .19400 | 1.05770 | -.02590 | -.00070 | .00530 | -.00300 | .58600 | .07170 |
| | GRADIENT | .04560 | -.01100 | .01100 | .04670 | -.00269 | -.00107 | -.00045 | .00063 | -.25802 | -.00080 |

OA86 B32C9 M7F8 W116E26V8R5X9 (RDX027) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 27/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.05090 | .03150 | .07290 | -.05090 | .03150 | -.[illegible]950 | .00770 | .18500 | 1.17800 | .04592 |
| .200 | -4.990 | -.07180 | .03760 | .08630 | -.07180 | .03763 | -.[illegible]300 | .00610 | .[illegible]100 | 1.09400 | .04285 |
| .200 | -.010 | -.09210 | .03830 | .09680 | -.09220 | .03826 | -.[illegible] | .[illegible] | -.[illegible]100 | 1.03800 | .04252 |
| .200 | 4.980 | -.07990 | .03760 | .09120 | -.[illegible]7990 | .03[illegible]9 | .0[illegible] | -.00[illegible] | -.00200 | 1.07100 | .04252 |
| .200 | 10.020 | -.06230 | .02780 | .08240 | -.06230 | .02 | .01520 | -.[illegible]30 | -.14500 | 1.13800 | .04721 |
| | GRADIENT | -.00081 | -.00000 | .00049 | -.00081 | -.[illegible] | .00159 | -.[illegible]71 | -.01785 | -.00230 | -.00003 |

OA86 B32C9 M7[illegible]8 W116E26V8R5X9 (RDX028) 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 28/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .17300 | .03290 | .07980 | .17520 | .01783 | -.01720 | .01430 | .18300 | .48400 | .04414 |
| .200 | -5.010 | .15310 | .03410 | .08370 | .15550 | .02078 | -.01030 | .00450 | .18000 | .43000 | .04043 |
| .200 | -.020 | .14060 | .03570 | .09930 | .15120 | .02275 | -.00060 | .00320 | -.00100 | .41000 | .03852 |
| .200 | 5.000 | .15130 | .03430 | .09850 | .15370 | .02114 | .00690 | -.00120 | -.09600 | .41600 | .03990 |
| .200 | 10.030 | .17040 | .02520 | .08890 | .17200 | .01039 | .01790 | -.00810 | -.19200 | .46100 | .04455 |
| | GRADIENT | -.00018 | .00442 | .00048 | -.00018 | .00004 | .00172 | -.00057 | -.01918 | -.00140 | -.00005 |

OA86 B32C9 M7F8 W116E26V8R5X9 (RDX029) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 29/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .41540 | .05340 | .08390 | .41840 | -.01943 | -.02230 | .01520 | .20200 | .57800 | .04547 |
| .200 | -5.010 | .40810 | .05930 | .09060 | .41220 | -.01242 | -.01000 | .01010 | .09500 | .57100 | .03831 |
| .200 | -.020 | .40400 | .05920 | .10020 | .40820 | -.01171 | -.00150 | .00230 | .00300 | .56100 | .03731 |
| .200 | 4.990 | .40620 | .05440 | .09960 | .40950 | -.01676 | .00690 | -.00680 | -.08500 | .56200 | .03878 |
| .200 | 10.030 | .41490 | .04770 | .09320 | .41690 | -.02489 | .01890 | -.01480 | -.18900 | .56900 | .04476 |
| | GRADIENT | -.00019 | -.00049 | .00090 | -.00027 | -.00043 | .00169 | -.00169 | -.01800 | -.00090 | .00005 |

OA86 B32C9 M7F8 W116E26V8R5/9 (RDX030) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.00

RUN NO. 30/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10 | .66820 | .13350 | .07360 | .69930 | -.04929 | -.02010 | .02180 | .20000 | .61300 | .04308 |
| .200 | 0 | .67580 | .13070 | .09060 | .68660 | -.04876 | -.00940 | .01280 | .09600 | .60300 | .03962 |
| .200 | .010 | .68210 | .13230 | .09720 | .69310 | -.04891 | -.00320 | .00150 | .01100 | .60000 | .04151 |
| .200 | 5.000 | .67640 | .12730 | .09900 | .68630 | -.05227 | .00440 | -.01700 | -.07900 | .59900 | .03971 |
| .200 | 10.020 | .68650 | .12440 | .08490 | .69530 | -.05770 | .01930 | -.02230 | -.18720 | .60700 | .04444 |
| | GRADIENT | .00006 | -.00434 | .00084 | -.00003 | -.00055 | .00138 | -.00224 | -.01750 | -.00040 | .00001 |

OA86 B33C9 M7F8 W116E26V8R5X9 (RDx031) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 31/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | C | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.26060 | .05880 | .08670 | -.26420 | .03985 | -.00210 | .00510 | -.00900 | .77200 | .04360 |
| .200 | -2.080 | -.18170 | .04650 | .09300 | -.18330 | .03990 | -.00290 | .00290 | -.00300 | .83800 | .04278 |
| .200 | -1.060 | -.14040 | .04200 | .09550 | -.14110 | .03945 | -.00300 | .00300 | -.00300 | .90100 | .04154 |
| .200 | -.020 | -.09470 | .03830 | .09710 | -.09470 | .03832 | -.00320 | .00340 | -.00200 | 1.02900 | .04147 |
| .200 | .980 | -.04850 | .03640 | .09750 | -.04790 | .03732 | -.00310 | .00340 | -.00200 | 1.40500 | .04037 |
| .200 | 2.010 | -.00080 | .03550 | .09750 | .00030 | .03557 | -.00310 | .00370 | -.00200 | -32.76700 | .03953 |
| .200 | 4.060 | .09590 | .03570 | .09830 | .09820 | .02885 | -.00330 | .00380 | .00000 | .28300 | .03805 |
| .200 | 6.130 | .19380 | .03950 | .09900 | .19690 | .01861 | -.00270 | .00400 | -.00200 | .46700 | .03610 |
| .200 | 8.190 | .29590 | .04910 | .09810 | .29990 | .00643 | -.00240 | .00450 | -.00200 | .53100 | .03519 |
| .200 | 10.240 | .39830 | .06060 | .10010 | .40280 | -.01120 | -.00300 | .00350 | .00000 | .56000 | .03507 |
| .200 | 12.310 | .50305 | .08110 | .10130 | .5087 | -.02804 | -.00360 | .00260 | .00200 | .57800 | .03568 |
| .200 | 14.370 | .61790 | .11250 | .09910 | .62650 | -.04437 | -.00410 | .00200 | .00500 | .59300 | .03798 |
| .200 | 16.430 | .72791 | .15580 | .09650 | .74230 | -.05647 | -.00450 | .00360 | .00800 | .60400 | .03934 |
| .200 | 18.510 | .84940 | .22150 | .08960 | .87510 | -.06050 | .00110 | .00410 | -.00100 | .61400 | .04384 |
| .200 | 20.550 | .95850 | .28620 | .08500 | .99830 | -.06849 | -.00260 | -.00710 | .00500 | .62000 | .04790 |
| .200 | 22.620 | 1.06340 | .35920 | .08180 | 1.11650 | -.06643 | -.00130 | .00270 | .00200 | .62530 | .04991 |
| .200 | 24.680 | 1.13210 | .42560 | .06320 | 1.20640 | -.08611 | -.00410 | .00350 | .00200 | .62400 | .05420 |
| .200 | 26.720 | 1.14610 | .48400 | .11150 | 1.24130 | -.08309 | -.00110 | .00610 | .00200 | .61900 | .06 43 |
| .200 | 28.720 | 1.05170 | .51220 | .16150 | 1.16360 | -.06518 | -.00090 | .01280 | -.01000 | .60700 | .07.34 |
| .200 | 30.720 | .93290 | .50650 | .19770 | 1.06470 | -.04122 | -.00100 | .00430 | .00000 | .58300 | .07411 |
| | GRADIENT | .04369 | -. 1279 | .00134 | .04439 | -.00127 | -.00012 | -.00007 | .00091 | -1.59398 | -.00069 |

OA86 B33C9 M7F8 W116E26V8R5X9 (RDx032) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BOFLAP = -12.000
ELEVON = .0 AILRON = .0
RUDDER = . SPDBRK = 25.0

RUN NO. 32/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | C | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2 | -1 2 | -.0524 | . 324 | | -.0524 | .0246 | -.01775 | 745 | | | .0292 |
| .2 | 5 | -.0742 | . 3 | | -.0742 | .0 64 | 0 | 5 | | | .0309 |
| .2 | | -.0323 | .03 | | -.0323 | .0 52 | -.0176 | 32 | | | .0 31 |
| .2 | 1 | -.0744 | | | | | | | | | .0345 |
| .2 | 4 | | | | | | | | | | .0450 |
| | | | | | | | | | | | |

OA86 B33C9 M7F8 W116E26V8R5X9 (RDX033) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 33/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .17070 | .03400 | .08100 | .17300 | .01865 | -.01690 | .01360 | .18200 | .47900 | .04091 |
| .200 | -5.030 | .15100 | .03560 | .09410 | .15360 | .02209 | -.01040 | .00520 | .09700 | .42600 | .03839 |
| .200 | .000 | .14870 | .03620 | .10050 | .15130 | .02283 | -.00250 | .00390 | .00100 | .40700 | .03819 |
| .200 | 5.010 | .14980 | .03540 | .09990 | .15230 | .02194 | .00310 | -.00120 | .08700 | .41000 | .03832 |
| .200 | 10.030 | .16680 | .02620 | .09040 | .16850 | .01126 | .01360 | -.00790 | -.18300 | .45400 | .04113 |
| | GRADIENT | -.00012 | -.00002 | .00058 | -.00013 | -.00001 | .00134 | -.00064 | -.01833 | -.00160 | -.00001 |

OA86 B33C9 M7F8 W116E26V8R5X9 (RDX034) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 34/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .40650 | .05300 | .08680 | .40950 | -.02010 | -.02220 | .01560 | .20100 | .57400 | .04136 |
| .200 | -5.020 | .40330 | .05960 | .09210 | .40750 | -.01303 | -.01280 | .01130 | .09600 | .56900 | .03614 |
| .200 | .000 | .39860 | .05980 | .11170 | .40290 | -.01206 | -.00310 | .00230 | .00600 | .55900 | .03466 |
| .200 | 5.000 | .40220 | .05460 | .10120 | .40550 | -.01777 | .00390 | -.00170 | -.07900 | .56000 | .03675 |
| .200 | 10.030 | .40920 | .04770 | .09440 | .41120 | -.02582 | .01420 | -.01470 | -.17900 | .56700 | .04150 |
| | GRADIENT | -.00011 | -.00450 | .00091 | -.00020 | -.00047 | .00147 | -.00173 | -.01747 | -.00140 | .00007 |

0486 B33C9 M7F8 W116E26V8R5X9 (RDX035) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVO = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 35/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.05 | .68320 | .12900 | .08340 | .67360 | -.05105 | -.01930 | .02530 | .19900 | .60600 | .03993 |
| .200 | -5.040 | .65760 | .12590 | .09620 | .66750 | -.05325 | -.01100 | .01470 | .19000 | .59800 | .03683 |
| .200 | -.030 | .67240 | .13250 | .10110 | .68350 | -.05076 | -.00340 | .00280 | .01300 | .59700 | .03930 |
| .200 | 4.980 | .66760 | .12810 | .10290 | .67760 | -.05364 | .00340 | -.00870 | -.07500 | .59600 | .03672 |
| .200 | 10.010 | .67640 | .12410 | .08900 | .68510 | -.06051 | .01500 | -.02240 | -.17600 | .60400 | .03986 |
| | GRADIENT | .00100 | .00022 | .00047 | .00101 | -.00004 | .00144 | -.00234 | -.01747 | -.00020 | -.00051 |

0486 B33C9 M7F8 W116E26V8R5X9 (RDX036) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = . [illegible] AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 36/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2 | -4.13 | -.2699 | .07240 | .09950 | -.27400 | .05282 | .00140 | .00600 | -.01900 | .77300 | .04414 |
| .2 | -2.11 | -.1978 | .06853 | .09800 | -.19990 | .05325 | .00080 | .00390 | -.01400 | .83200 | .04163 |
| .2 | -1.09 | -.1524 | .06720 | .09970 | -.15360 | .05446 | .00110 | .00370 | -.01400 | .89000 | .04038 |
| .2 | -.07 | -.10 | .05340 | .10140 | -.10870 | .05343 | .00170 | .00430 | -.01500 | .99500 | .03963 |
| .2 | .99 | -.0622 | .05140 | .10230 | -.06130 | .05251 | .00150 | .00440 | -.01500 | 1.26600 | .03893 |
| .2 | 2.01 | -.1577 | .05121 | .10346 | -.01410 | .05076 | .00200 | .00480 | -.01700 | 3.35600 | .03879 |
| .2 | 4.03 | .0330 | .05 | .10528 | .06460 | .04294 | .00260 | .00530 | -.01800 | .13400 | .03655 |
| .2 | 6.05 | .1782 | .05350 | .10540 | .18290 | .03421 | .00250 | .00530 | -.01700 | .44000 | .03679 |
| .2 | 8.06 | .2795 | .0613 | .10464 | .26740 | .02491 | .00270 | .0061 | -.0180 | .8140 | .03634 |
| .2 | 10.04 | .3851 | .0743 | .10063 | .33611 | .01456 | .0001 | .0052 | -.014 | .8550 | .03733 |
| .2 | 12.03 | .4349 | .09370 | .10460 | .3935 | -.1393 | -.0010 | .0070 | .007 | .8574 | .03676 |
| .2 | 14.03 | .6021 | .12470 | .10570 | .61420 | -.02960 | .0055 | .0090 | .009 | .85 | .03837 |
| .2 | 16.42 | .7196 | .16690 | .11440 | .7317 | -.04163 | -.00240 | .0044 | .0110 | .8500 | .04145 |
| .2 | 18.44 | .8281 | .20420 | .09970 | .85770 | -.04636 | .0021 | .0044 | .0110 | .8500 | .04193 |
| .2 | 20.46 | .9343 | .24330 | .10960 | .9780 | -.05310 | -.00190 | .0057 | .0110 | .8500 | .04193 |
| .2 | 22.42 | 1.0446 | .2827 | .10440 | 1.09910 | -.05510 | .00280 | .0057 | .0110 | .82 | .03923 |
| .2 | 24.67 | 1.1491 | .4357 | .11152 | 1.17870 | -.06077 | .00129 | .0053 | .0104 | .8100 | .03916 |
| .2 | 26.71 | 1.1558 | .44824 | .13063 | 1.20420 | -.0664 | .00131 | .0054 | .0103 | .8100 | .04044 |
| .2 | 28.72 | .9819 | .46 | -.11 | 1.0451 | -.0444 | -.00320 | .0071 | .0110 | .8100 | .04019 |
| .2 | [illegible] | .9147 | .5 | .0 | 1.0445 | -.0444 | -.0042 | .0077 | .0 | .8100 | .04 |
| | GRADIENT | .4518 | -.281 | .166 | .4413 | -.[illegible] | .[illegible]8 | -.[illegible]1 | [illegible] | .02 | -.[illegible] |

0A86 B35C9 M7F8 W116E26V8R5X9 (RDX037) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 37/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | -.07070 | .04570 | .08110 | -.07080 | .04574 | -.01430 | .00690 | .17200 | 1.07300 | .04404 |
| .200 | -5.050 | -.03690 | .05130 | .09200 | -.08700 | .05135 | -.00730 | .00680 | .07960 | 1.04100 | .04188 |
| .200 | -.020 | -.10680 | .05180 | .10270 | -.10690 | .05182 | .00070 | .00240 | -.00900 | 1.00500 | .03999 |
| .200 | 4.990 | -.06240 | .04930 | .09730 | -.09240 | .04933 | .00950 | .02220 | -.10100 | 1.03900 | .04150 |
| .200 | 10.010 | -.07610 | .04320 | .08790 | -.07610 | .04326 | .00760 | -.00460 | -.19200 | 1.07600 | .04398 |
| | GRADIENT | -.00055 | -.00020 | .00053 | -.00054 | -.00020 | .00157 | -.00166 | -.01793 | -.00420 | -.00014 |

0A86 B35C9 M7F8 W116E26V8R5X9 (RDX038) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA 5.000 BOFLAP = -12.000
[illegible] .000 AILRON = .000
[illegible] .000 SPDBRK = 25.

RUN NO. 38/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .15740 | .04620 | [illegible] | .16790 | .32[illegible]3 | -.01130 | [illegible] | 17[illegible] | .454 | 417 |
| .200 | -5.050 | .13840 | .04730 | [illegible] | .14[illegible]1 | .03455 | -.00[illegible]71 | [illegible] | [illegible] | .[illegible]40 | [illegible]65 |
| .200 | -.050 | .13460 | .04[illegible] | .13[illegible] | .13e4 | .365[illegible] | .00[illegible]7 | [illegible] | -.14[illegible] | .3[illegible]5 | .[illegible]765 |
| .200 | 4.990 | .13690 | .[illegible]4[illegible] | [illegible].[illegible] | .14[illegible]5 | .3446[illegible] | [illegible].[illegible]99[illegible] | -.[illegible] | -1.[illegible]1 | .37[illegible] | .[illegible]7[illegible] |
| .200 | 10.010 | .15870 | .[illegible]5[illegible] | [illegible]4[illegible] | 16[illegible]1 | .02459 | .[illegible]198[illegible] | [illegible].[illegible] | [illegible].[illegible] | .454 0 | .[illegible]196 |
| | GRADIENT | -.00[illegible]15 | [illegible]4[illegible]5 | [illegible].[illegible]58 | -.[illegible]4[illegible]16 | -.[illegible]4[illegible]4 | 161 | [illegible]3 | -.[illegible]5 | -.[illegible]2[illegible] | -.[illegible]6[illegible] |

OA66 B35C9 M7F8 W:16E26V8R5X9 (RDX039) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.3974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 39/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2500 | -10.1460 | .5946 | .0640 | .0907 | .5997 | -.0072 | -.0299 | .0161 | .1929 | .5680 | .0437 |
| .2500 | -5.1460 | .3862 | .0698 | .0497 | .3925 | .0043 | -.0277 | .0111 | .1860 | .5603 | .3618 |
| .2500 | -.1459 | .3815 | .0756 | .0189 | .3881 | .0018 | -.0241 | .0048 | -.0160 | .5498 | .3730 |
| .2500 | 5.1460 | .3844 | .0641 | -.0153 | .3896 | -.0053 | .0192 | -.0151 | -.0960 | .5495 | .3881 |
| .2500 | 10.1460 | .3947 | .0586 | -.1126 | .3981 | -.0123 | .0256 | -.0136 | -.1947 | .5580 | .4296 |
| | GRADIENT | -.0018 | -.0057 | .0107 | -.0029 | -.0005 | .0016 | -.0016 | -.0181 | -.0109 | .0996 |

OA66 B35C9 M7F8 W:16E26V8R5X9 (RDX040) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 40/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2500 | -10.1460 | .6736 | .1435 | .1350 | .6848 | .3991 | -.0169 | .0228 | .1940 | .5720 | .4226 |
| .2500 | -5.1460 | .6536 | .1339 | .0779 | .6673 | .3956 | -.0167 | .0160 | .1870 | .5636 | .3944 |
| .2500 | -.1460 | .6416 | .1414 | .0478 | .6744 | .3998 | -.0124 | .0070 | .0192 | .5593 | .4115 |
| .2500 | 5.1460 | .6539 | .1347 | .0178 | .6719 | .4026 | .0043 | -.0152 | -.0962 | .5470 | .4115 |
| .2500 | 10.1460 | .6644 | .1317 | -.0130 | .6793 | .4047 | .0172 | -.0221 | -.1947 | .5408 | .4413 |
| | GRADIENT | .0018 | -.0056 | .0107 | -.0045 | -.0027 | .0011 | -.0026 | -.0184 | -.0114 | .0124 |

0486 B34C9 M7F8 W116E26V8R5X9 (RDX041) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2467 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .00 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 41/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.12[illegible] | -.2667[illegible] | .0671[illegible] | .0895[illegible] | -.2706[illegible] | .0478[illegible] | -.0005[illegible] | .0[illegible] | -.0140[illegible] | .7730[illegible] | .0475[illegible] |
| .2[illegible] | -2.06[illegible] | -.1878[illegible] | .055[illegible] | .0958[illegible] | -.1897[illegible] | .0481[illegible] | -.0019[illegible] | .0[illegible] | -.0090[illegible] | .8380[illegible] | .0462[illegible] |
| .2[illegible] | -1.03[illegible] | -.1468[illegible] | .0504[illegible] | .0986[illegible] | -.1477[illegible] | .0477[illegible] | -.0013[illegible] | .0[illegible] | -.0090[illegible] | .8970[illegible] | .0445[illegible] |
| .2[illegible] | -.72[illegible] | -.1099[illegible] | .0471[illegible] | .0993[illegible] | -.1096[illegible] | .0470[illegible] | -.0009[illegible] | .0[illegible] | -.0096[illegible] | 1.0190[illegible] | .0446[illegible] |
| .2[illegible] | .98[illegible] | -.0533[illegible] | .0459[illegible] | .1006[illegible] | -.0522[illegible] | .0465[illegible] | -.0013[illegible] | .0[illegible] | -.0180[illegible] | 1.3550[illegible] | .0432[illegible] |
| .2[illegible] | 2.01[illegible] | -.0051[illegible] | .0465[illegible] | .1006[illegible] | -.0035[illegible] | .0447[illegible] | -.0012[illegible] | .0[illegible] | -.0090[illegible] | 11.0750[illegible] | .0422[illegible] |
| .2[illegible] | 4.[illegible] | .0633[illegible] | .0457[illegible] | .1013[illegible] | .0626[illegible] | .0385[illegible] | -.0[illegible] | .0[illegible] | -.[illegible] | .2[illegible]100 | .0415[illegible] |
| .2[illegible] | 6.14[illegible] | .1998[illegible] | .0493[illegible] | .1013[illegible] | .1942[illegible] | .0287[illegible] | -.0[illegible] | .0[illegible] | -.[illegible] | .4[illegible] | .0391[illegible] |
| .2[illegible] | 8.19[illegible] | .2998[illegible] | .0574[illegible] | .1024[illegible] | .2952[illegible] | .0214[illegible] | -.0[illegible] | .0[illegible] | -.[illegible] | .5740[illegible] | .0387[illegible] |
| .2[illegible] | 10.25[illegible] | .3923[illegible] | .0[illegible] | .1054[illegible] | .3866[illegible] | -.[illegible]37 | -.0[illegible] | .0[illegible] | -.[illegible] | .5560[illegible] | .0385[illegible] |
| .2[illegible] | 12.31[illegible] | .5[illegible]30 | .0[illegible] | .1[illegible]47[illegible] | .5[illegible]79[illegible] | -.[illegible]32 | -.0[illegible] | .0[illegible] | -.[illegible] | .576[illegible] | .0[illegible] |
| .2[illegible] | 14.36[illegible] | .6141[illegible] | .121[illegible] | .1030[illegible] | .6251[illegible] | -.[illegible]443 | .0[illegible] | .0[illegible] | -.[illegible] | .5910[illegible] | .0410[illegible] |
| .2[illegible] | 16.42[illegible] | .7511[illegible] | .1651[illegible] | .1[illegible]70[illegible] | .7[illegible]4[illegible] | -.[illegible]431 | -.[illegible] | .0[illegible] | -.[illegible] | .6[illegible]20[illegible] | 4432 |
| .2[illegible] | 18.49[illegible] | .8444[illegible] | .2262[illegible] | .1[illegible]470[illegible] | .8[illegible] | -.[illegible]5153 | [illegible] | | -.[illegible] | .6[illegible] | -.[illegible]51 |
| .2[illegible] | 20.55[illegible] | .9491[illegible] | .2901[illegible] | .[illegible]9[illegible] | .9[illegible] | -.[illegible]5[illegible] | -.[illegible] | .0[illegible] | [illegible] | .6[illegible] | 5[illegible]19 |
| .2[illegible] | 22.62[illegible] | 1.0461[illegible] | .3634[illegible] | .[illegible] | .[illegible]046[illegible] | -.[illegible]06[illegible] | [illegible] | .0[illegible] | -.[illegible] | [illegible] | [illegible]54[illegible] |
| .2[illegible] | 24.67[illegible] | 1.1[illegible]4[illegible] | .43[illegible] | .[illegible] | 1.[illegible]4[illegible] | [illegible] | [illegible] | .0[illegible] | -.[illegible] | [illegible] | [illegible] |
| .2[illegible] | 26.[illegible]0 | 1.1[illegible]65[illegible] | .4[illegible]3 | .[illegible]43[illegible] | [illegible] | -.[illegible]7[illegible]25 | -.[illegible] | .0[illegible] | [illegible] | [illegible] | [illegible]123 |
| .2[illegible] | 28.[illegible] | .9[illegible]6[illegible] | .478[illegible] | .[illegible]0[illegible] | 1.[illegible] | -.[illegible]04432 | -.[illegible]51 | [illegible] | [illegible] | .58[illegible] | [illegible] |
| .2[illegible] | 3[illegible] | .[illegible]2[illegible] | 5.[illegible] | .[illegible] | 1.[illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | .[illegible] | [illegible] |
| | GRADIENT | .[illegible] | -.[illegible] | [illegible] | [illegible]44[illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

[illegible] B34C9 M7F8 W116E26V8R5X9 (RDX042) ( 08 JAN 74

REFERENCE DATA

SREF = 4.4119 SQ.FT. [illegible] = 43.5974 INCHES
[illegible] = 19.2467 INCHES [illegible] = .0000 INCHES
[illegible] = 37.9671 INCHES [illegible] = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

[illegible] = .00 BDFLAP = -12.000
[illegible] = .000 AILRON = .000
[illegible] = .000 SPDBRK = 25.000

RUN NO. 42/ [illegible] RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -1[illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .2[illegible] | -5.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | .[illegible]4743 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .2[illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible]41 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .2[illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] |
| | GRADIENT | -.[illegible] | - | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | - | [illegible] |

OA66 B34C9 M7F8 W116E26V8R5X9 (RDX043) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2465 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0435 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 43/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -1. .0[illegible] | .1666[illegible] | .0[illegible] | . 0440 | .16900 | .02597 | -.01910 | . 1373 | .18510 | 4[illegible].0 | .04412 |
| .2[illegible] | -5. 10 | .1455 | .4310 | . 1858 | .14480 | .02604 | -.01111 | .. 520 | .02330 | .4[illegible].80 | .4258 |
| .2[illegible] | . [illegible] | .1454[illegible] | .4410 | .. 31 | .1465[illegible] | . 31[illegible]9 | -.01[illegible].0 | . 43[illegible] | -.[illegible]4[illegible] | .3[illegible].0[illegible] | 4 .2 |
| .2[illegible] | 5. 9 | .1445 | .0[illegible]5[illegible] | 1. [illegible]1[illegible] | .1477[illegible] | . .[illegible]8 | .0[illegible]54[illegible] | -.[illegible] 6 | -.[illegible].[illegible] | .3[illegible].[illegible] | . 4199 |
| | 10.[illegible]9 | .1617[illegible] | .3[illegible] | .[illegible]915 | .1641[illegible] | .01[illegible]33 | . 1631[illegible] | -.[illegible]76 | -.[illegible]1[illegible] | .[illegible]442[illegible] | . 4372 |
| | GRADIENT | -.[illegible]8[illegible] | -.[illegible]8[illegible]2 | . 46 | -.[illegible] 11 | -.[illegible]4[illegible]11 | . [illegible]2163 | -.[illegible].[illegible] | -.[illegible].[illegible]2[illegible] | -.[illegible].123 | -.[illegible] 6 |

[illegible] M7F8 [illegible]

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.411[illegible] SQ.FT. | XMRP = | 4[illegible].[illegible]74 INCHES |
| LREF = | 19.246[illegible] INCHES | YMRP = | [illegible] INCHES |
| BREF = | 37.[illegible]671 INCHES | ZMRP = | [illegible].[illegible] INCHES |
| SCALE = | .04[illegible] SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | [illegible].[illegible] | BDFLAP = | -12.[illegible] |
| ELEVON = | .[illegible] | AILRON = | .[illegible] |
| RUDDER = | .[illegible] | SPDBRK = | 25.[illegible] |

RUN [illegible] 44 RN/L = 1.42 GRADIENT INTERVAL = -6.[illegible]/ [illegible].[illegible]

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -1. . [illegible] | 4[illegible]6[illegible] | [illegible]4[illegible] | [illegible]4 | 4[illegible]9[illegible] | 1.60 | .[illegible]74[illegible] | [illegible]16[illegible] | 1.43 | .[illegible]5[illegible] | 4[illegible].[illegible] |
| .2[illegible] | [illegible].[illegible]3[illegible] | [illegible]3[illegible]6 | .[illegible]2[illegible] | 44 | 5[illegible] | [illegible].[illegible]4[illegible] | -.[illegible]3[illegible] | [illegible].[illegible] | [illegible] | [illegible] | [illegible] |
| .2[illegible] | [illegible] | [illegible].[illegible]1 | [illegible]6 | 34 | [illegible].[illegible]7 | [illegible].[illegible]8 | [illegible].[illegible]4 | [illegible].[illegible] | [illegible] | [illegible] | [illegible] |
| .2[illegible] | 5. [illegible] | .[illegible]4[illegible]5[illegible] | .[illegible]1[illegible]5[illegible] | [illegible].[illegible]1 | [illegible].[illegible]1 | .[illegible]1[illegible]4 | [illegible]4[illegible] | - | [illegible] | [illegible].[illegible]1 | [illegible].[illegible]1 |
| .2[illegible] | [illegible].[illegible]9[illegible] | 4[illegible].[illegible]6[illegible] | 5[illegible] | .[illegible]3[illegible]4 | 4[illegible].[illegible] | -.[illegible]3[illegible]3 | .[illegible]37[illegible] | -.[illegible]4[illegible] | [illegible] | [illegible].[illegible]1 | [illegible].[illegible] |
| | GRADIENT | [illegible].[illegible] | -.[illegible].[illegible]1[illegible] | .[illegible]4[illegible]35 | -.[illegible].[illegible]4[illegible]3 | -.[illegible]2[illegible].[illegible]5 | -.[illegible]1[illegible]79 | -.[illegible]1[illegible].4 | [illegible].[illegible]1[illegible] | - | 4457 |
| | | | | | | | | | | | [illegible].16 |

OA86 B34C9 M7F8 W116E26V8R5X9 (RDX045) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 15.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 45/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .67300 | .14090 | .08040 | .68630 | -.04267 | -.02010 | .02170 | .20000 | .60900 | .04229 |
| .200 | -5.010 | .66390 | .13660 | .09.90 | .67640 | -.04445 | -.00990 | .01360 | .09500 | .59800 | .04003 |
| .200 | -.010 | .67070 | .13640 | .10520 | .68280 | -.04653 | -.00370 | .00150 | .01000 | .59500 | .04355 |
| .200 | 5.000 | .66470 | .12990 | .10720 | .67540 | -.05114 | .00500 | -.00950 | -.08200 | .59300 | .04249 |
| .200 | 10.020 | .66970 | .12750 | .09450 | .67950 | -.05472 | .01880 | -.02200 | -.18800 | .60000 | .04464 |
| | GRADIENT | .00008 | -.00067 | .00086 | -.00010 | -.00067 | .00149 | -.00231 | -.01768 | -.00050 | .00025 |

OA86 B36C9 M7F8 W116E26V8R5X9 (RDX051) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 51/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.26680 | .06660 | .09080 | -.27090 | .04717 | -.00040 | .00600 | -.01500 | .77500 | .04779 |
| .200 | -2.100 | -.19230 | .05650 | .09720 | -.19420 | .04941 | -.00010 | .00650 | -.01700 | .83600 | .04530 |
| .200 | -1.070 | -.15770 | .05050 | .10200 | -.15860 | .04757 | -.00100 | .00370 | -.00900 | .88800 | .04427 |
| .200 | -.030 | -.10700 | .04900 | .10140 | -.10700 | .04897 | -.00130 | .00330 | -.00700 | 1.00000 | .04316 |
| .200 | .970 | -.05680 | .04680 | .10160 | -.05600 | .04783 | -.00150 | .00330 | -.00600 | 1.31900 | .04213 |
| .200 | 2.010 | -.00910 | .04470 | .10160 | -.00750 | .04502 | -.00190 | .00320 | -.00500 | 5.59700 | .04238 |
| .200 | 4.070 | .08870 | .04690 | .10120 | .09180 | .04055 | -.00070 | .00400 | -.00800 | .24600 | .04036 |
| .200 | 6.130 | .18870 | .05060 | .10200 | .19300 | .03021 | .00000 | .00440 | -.00900 | .45750 | .03993 |
| .200 | 8.190 | .28690 | .05830 | .10300 | .29230 | .01681 | -.00020 | .00470 | -.00800 | .52200 | .03341 |
| .200 | 10.240 | .39500 | .07210 | .10330 | .40150 | .00080 | -.00040 | .00480 | -.00700 | .55700 | .03905 |
| .200 | 12.310 | .50000 | .09240 | .10510 | .50820 | -.01628 | -.00090 | .00370 | -.00400 | .57600 | .03951 |
| .200 | 14.350 | .61040 | .12490 | .10520 | .62230 | -.03031 | -.00220 | .00280 | .00000 | .58900 | .04195 |
| .200 | 16.410 | .72050 | .16680 | .10450 | .73830 | -.04360 | -.00160 | .00370 | .00000 | .60000 | .04324 |
| .200 | 18.480 | .83200 | .22850 | .09970 | .86160 | -.04707 | .00320 | .00530 | -.00700 | .61900 | .04717 |
| .200 | 20.550 | .94690 | .29510 | .09520 | .99030 | -.05609 | .00000 | .00330 | -.00100 | .61600 | .05087 |
| .200 | 22.610 | 1.04100 | .36200 | .09410 | 1.10020 | -.06607 | .00110 | .00470 | -.00300 | .62000 | .05127 |
| .200 | 24.670 | 1.11140 | .43230 | .10350 | 1.19040 | -.07104 | .00100 | .00360 | -.00200 | .62000 | .05790 |
| .200 | 26.710 | 1.11240 | .48040 | .12920 | 1.20970 | -.07097 | .00010 | .00720 | -.00400 | .61200 | .06424 |
| .200 | 28.690 | .95830 | .47290 | .18130 | 1.06760 | -.04531 | -.00570 | -.00750 | .02700 | .58900 | .06586 |
| .200 | 30.710 | .92520 | .50350 | .20470 | 1.05260 | -.03377 | -.00320 | .00120 | .00900 | .58000 | .07317 |
| | GRADIENT | .0437 | -.00246 | .00116 | .04466 | -.00081 | -.00012 | -.00035 | .00127 | .18134 | -.00087 |

OA86 B36C9 M7F8 W116E26V8R5X9 (RDX052) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 52/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.06470 | .04300 | .07860 | -.06480 | .04299 | -.01670 | .00810 | .17900 | 1.09800 | .04671 |
| .200 | -5.010 | -.08170 | .04910 | .08990 | -.08180 | .04911 | -.00810 | .00660 | .08100 | 1.05600 | .04575 |
| .200 | .000 | -.10170 | .04760 | .10170 | -.10180 | .04759 | -.00130 | .00180 | -.00200 | 1.01900 | .04334 |
| .200 | 5.010 | -.08250 | .04440 | .09400 | -.08250 | .04445 | .00730 | -.00010 | -.09200 | 1.07100 | .04445 |
| .200 | 10.020 | -.06590 | .04160 | .08360 | -.06590 | .04160 | .01280 | -.00700 | -.17500 | 1.11800 | .04482 |
| | GRADIENT | -.00008 | -.00047 | .00041 | -.00007 | -.00047 | .00154 | -.00067 | -.01727 | .00150 | -.00013 |

OA86 B36C9 M7F8 W116E26V8R5X9 (RDX053) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 53/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .16370 | .04320 | .08640 | .16690 | .02851 | -.01700 | .01360 | .18100 | .46100 | .04448 |
| .200 | -5.020 | .14250 | .04500 | .09090 | .14590 | .03223 | -.00880 | .00510 | .09500 | .41200 | .04242 |
| .200 | .000 | .14470 | .04660 | .10370 | .14830 | .03365 | .00020 | -.00420 | -.00400 | .39900 | .04336 |
| .200 | 5.010 | .14370 | .04210 | .10510 | .14690 | .02923 | .00580 | -.00120 | -.03400 | .39800 | .04270 |
| .200 | 10.020 | .16290 | .03560 | .09430 | .16550 | .02104 | .01610 | -.00460 | -.18800 | .44200 | .04439 |
| | GRADIENT | .00412 | -.00029 | .00062 | .00410 | -.00330 | .00146 | -.00163 | -.01284 | -.00140 | .00003 |

OA86 B36C9 M7F8 W116E26V8R5X9 (RDX054) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 54/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CPL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .40490 | .08440 | .09100 | .40990 | -.00855 | -.02010 | .01630 | .19400 | .57000 | .04784 |
| .200 | -5.010 | .39560 | .07170 | .09620 | .40210 | .00022 | -.00810 | .01140 | .08900 | .56400 | .03954 |
| .200 | -.010 | .39940 | .06970 | .10480 | .40540 | -.00244 | -.00090 | .00340 | .00000 | .55600 | .03918 |
| .200 | 5.000 | .39480 | .06240 | .10630 | .39940 | -.00868 | .00560 | -.00710 | -.08400 | .55400 | .04178 |
| .200 | 10.020 | .40650 | .05630 | .09920 | .41000 | -.01688 | .01780 | -.01410 | -.18600 | .56300 | .04447 |
| | GRADIENT | -.00010 | -.00093 | .00101 | -.00027 | -.00089 | .00137 | -.00185 | -.01728 | -.00100 | .00022 |

OA86 B36C9 M7F8 W116E26V8R5X9 (RDX055) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 55/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CPL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .67640 | .14160 | .08240 | .68970 | -.04319 | -.01990 | .02120 | .19800 | .60800 | .04508 |
| .200 | -5.010 | .66320 | .13870 | .10010 | .67630 | -.04240 | -.00960 | .01340 | .09400 | .59700 | .04124 |
| .200 | -.010 | .66990 | .14060 | .10470 | .68400 | -.04956 | -.00400 | .00130 | .01000 | .59500 | .04250 |
| .200 | 5.010 | .66210 | .13420 | .10810 | .67390 | -.04646 | .00570 | -.00840 | -.08200 | .59300 | .04225 |
| .200 | 10.030 | .67490 | .13100 | .09220 | .68550 | -.05317 | .01820 | -.02090 | -.18500 | .61200 | .04371 |
| | GRADIENT | -.00011 | -.00045 | .00080 | -.00024 | -.00041 | .00153 | -.00218 | -.01757 | -.00040 | .00010 |

GA86 B37C9 M7F8 W116E26V8R5 9 (RCX056) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 56/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.26810 | .06610 | .08980 | -.27020 | .04671 | -.00100 | .04520 | -.01200 | .77400 | .04566 |
| .200 | -2.090 | -.19260 | .05400 | .09680 | -.19440 | .04697 | -.00070 | .00720 | -.01610 | .63500 | .04409 |
| .200 | -1.080 | -.14710 | .04890 | .09830 | -.14800 | .04619 | -.00070 | .00590 | -.01400 | .89630 | .04472 |
| .200 | -.050 | -.10440 | .04540 | .10100 | -.10450 | .04535 | -.00120 | .00390 | -.00970 | 1.17470 | .04305 |
| .200 | .970 | -.05740 | .04230 | .10190 | -.05670 | .04330 | -.00180 | .00350 | -.00700 | 1.31310 | .04362 |
| .200 | 2.010 | -.00850 | .04100 | .10150 | -.00700 | .04135 | -.00160 | .00340 | -.00600 | 5.63360 | .04476 |
| .200 | 4.070 | .08960 | .04100 | .10270 | .09230 | .03453 | -.00 [illegible] | .00400 | -.01700 | .24200 | .04219 |
| .200 | 6.130 | .18840 | .04570 | .10350 | .19220 | .02533 | -.00070 | .00430 | -.01700 | .45400 | .04112 |
| .200 | 8.190 | .29110 | .05360 | .10360 | .29560 | .01156 | -.00080 | .00470 | -.01700 | .52300 | .03975 |
| .200 | 10.260 | .39330 | .06530 | .10400 | .39860 | -.00575 | -.00170 | .00400 | -.01300 | .55800 | .04039 |
| .200 | 12.300 | .50070 | .07640 | .10520 | .50760 | -.02231 | -.00210 | .00310 | -.00900 | .57500 | .04117 |
| .200 | 14.380 | .61540 | .09150 | .10490 | .62600 | -.03615 | -.00240 | .00220 | .00200 | .59100 | .04256 |
| .200 | 16.420 | .72790 | .11220 | .10240 | .74410 | -.05014 | -.00300 | .00350 | .01200 | .60100 | .04553 |
| .200 | 18.490 | .83430 | .13370 | .09660 | .86220 | -.05257 | .01250 | .00560 | -.00640 | .61100 | .04695 |
| .200 | 20.550 | .94390 | .15720 | .09490 | .98450 | -.06061 | -.00420 | .01320 | .00040 | .61700 | .05080 |
| .200 | 22.610 | 1.05180 | .18610 | .09190 | 1.09190 | -.07299 | .00050 | .01510 | -.00240 | .62100 | .05323 |
| .200 | 24.670 | 1.11750 | .21640 | .08610 | 1.13490 | -.07502 | .00130 | .01360 | -.00240 | .62100 | .05630 |
| .200 | 26.710 | 1.11870 | .24810 | .12260 | 1.21570 | -.07294 | .00090 | .01150 | -.00340 | .61440 | .06173 |
| .200 | 28.690 | .99840 | .26560 | .17690 | 1.11660 | -.05319 | -.00330 | .00850 | -.00200 | .59200 | .07087 |
| .200 | 30.720 | .91370 | .28110 | .21250 | 1.07390 | -.03914 | .00360 | .00250 | .00160 | .56760 | .07128 |
| | GRADIENT | .04765 | -.00308 | .00115 | .04447 | -.01146 | -.00442 | -.00134 | .00109 | .13587 | -.00141 |

GA86 B37C9 M7F8 W116E26V8R5C9 (RCX057) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = [illegible] BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 57/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | YN | CBL | CY | XCP/L | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | 5.030 | -.0651 | .3869 | [illegible] | -.0651 | 3.57 | -.03794 | [illegible] | [illegible] | [illegible] | -.35 |
| .200 | -5.00 | -.0444 | .1.4F | [illegible] | -.0444 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 4154 |
| .200 | [illegible] | -.1.1420 | .4353 | [illegible] | -.1.143 | .3435 | [illegible] | [illegible] | [illegible] | [illegible] | 4356 |
| 2 [illegible] | 5 2 | -.0456 | [illegible]366 | 54 | -.0456 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 4355 |
| 2 [illegible] | 1 3 | -.[illegible] | 3521 | [illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | GRADIENT | -.0026 | -.0074 | .0053 | -.0026 | [illegible] | -.0056 | [illegible] | [illegible] | [illegible] | |

OA86 B37C9 M7F8 W116E26V8R5X9 (RDX058) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| BREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 58/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .15960 | .03790 | .08670 | .16230 | .02364 | -.01910 | .01320 | .18800 | .45500 | .04408 |
| .200 | -5.020 | .13780 | .04040 | .10080 | .14580 | .02805 | -.01020 | .00510 | .09800 | .38800 | .04214 |
| .200 | .000 | .14170 | .04090 | .10360 | .14470 | .02819 | -.00080 | .00380 | -.00300 | .38800 | .04134 |
| .200 | 5.010 | .14140 | .03770 | .10550 | .14420 | .02498 | .00590 | -.00160 | -.09500 | .38200 | .04274 |
| .200 | 10.040 | .15850 | .02950 | .09590 | .16050 | .01530 | .01660 | -.00810 | -.19200 | .43210 | .04505 |
| | GRADIENT | .00036 | -.00027 | .00047 | .00034 | -.00031 | .00161 | -.00067 | -.01924 | -.00060 | .00006 |

OA86 B37C9 M7F8 W116E26V8R5X9 (RDX059) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| BREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 59/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .40240 | .06160 | .08980 | .40700 | -.01084 | -.02100 | .01580 | .19700 | .57000 | .04535 |
| .200 | -5.010 | .39730 | .06360 | .09780 | .40240 | -.00775 | -.01070 | .01060 | .09600 | .56200 | .04122 |
| .200 | .000 | .39820 | .06230 | .10520 | .40300 | -.00888 | -.00250 | .00260 | .00200 | .55600 | .04165 |
| .200 | 5.000 | .39520 | .05780 | .10670 | .39920 | -.01334 | .00510 | -.00740 | -.08300 | .55300 | .04253 |
| .200 | 10.020 | .40260 | .05440 | .10080 | .40510 | -.02236 | .01830 | -.01440 | -.18400 | .56000 | .04557 |
| | GRADIENT | -.00421 | -.00061 | .00089 | -.00032 | -.00056 | .00158 | -.00187 | -.01788 | -.00093 | .00013 |

OA86 B37C9 M7F8 W116E26V8R5X9 (RDX060) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 60/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .67740 | .13790 | .08100 | .68970 | -.04697 | -.02090 | .02190 | .20100 | .60800 | .04441 |
| .200 | -5.040 | .66460 | .13580 | .09930 | .67680 | -.04554 | -.00960 | .01370 | .09670 | .59800 | .04090 |
| .200 | -.030 | .67320 | .13730 | .10550 | .68550 | -.04642 | -.00440 | .00090 | .01300 | .59500 | .04420 |
| .200 | 4.980 | .66720 | .13640 | .10720 | .67790 | -.05140 | .00510 | -.00910 | -.07900 | .59300 | .04215 |
| .200 | 10.010 | .67670 | .12630 | .09240 | .68600 | -.05782 | .02000 | -.02090 | -.18930 | .60200 | .04524 |
| | GRADIENT | .00026 | -.00054 | .00079 | .00011 | -.00058 | .00147 | -.00238 | -.01747 | -.00050 | .00012 |

OA86 B38C9 M7F8 W116E26V8R5X9 (RDX061) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 61/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.145 | -.26850 | .05940 | .09030 | -.27210 | .03945 | -.00130 | .00465 | -.01280 | .77400 | .04377 |
| .200 | -2.080 | -.18730 | .04770 | .08460 | -.18890 | .04093 | -.00130 | .00530 | -.00960 | .83670 | .04221 |
| .200 | -1.045 | -.14350 | .04260 | .08220 | -.14460 | .04003 | -.00120 | .00510 | -.00650 | .86870 | .04167 |
| .200 | -.030 | -.11140 | .03770 | .08140 | -.11040 | .03765 | -.00100 | .00340 | -.00410 | .89600 | .04160 |
| .200 | .980 | -.08580 | .03550 | .08150 | -.08760 | .03656 | -.00080 | .00225 | -.00190 | 1.37000 | .04174 |
| .200 | 2.010 | -.06460 | .03470 | .08140 | -.06710 | .03501 | -.00220 | .00160 | -.00130 | 5.66000 | .03996 |
| .200 | 4.980 | -.02440 | .03490 | .08180 | -.02530 | .03048 | -.00190 | .00090 | -.00130 | .24600 | .03931 |
| .200 | 6.140 | -.01089 | .03540 | .08210 | -.01324 | .02936 | -.00130 | .00070 | -.00120 | .45400 | .03940 |
| .200 | 8.190 | .00994 | .03630 | .08260 | .00921 | .02892 | -.00120 | .00040 | -.00120 | .53100 | .03973 |
| .200 | 10.250 | .03002 | .03820 | .08340 | .03023 | .02892 | -.00110 | .00040 | -.00120 | .55300 | .03973 |
| .200 | 12.310 | .05005 | .04090 | .08430 | .05126 | .02892 | -.00110 | .00040 | -.00120 | .57400 | .03973 |
| .200 | 14.360 | .07014 | .04440 | .08550 | .07231 | -.02889 | -.00110 | .00040 | -.00120 | .59400 | .03973 |
| .200 | 16.430 | .09053 | .04870 | .08710 | .09421 | -.02832 | -.00110 | .00040 | -.00120 | .61300 | .03973 |
| .200 | 18.490 | .11107 | .05390 | .08910 | .11639 | -.02775 | -.00110 | .00040 | -.00120 | .63100 | .03973 |
| .200 | 20.560 | .13221 | .06024 | .09170 | .13911 | -.02744 | -.00110 | .00040 | -.00120 | .64800 | .03973 |
| .200 | 22.620 | .15376 | .06796 | .09510 | .16237 | -.02731 | -.00110 | .00040 | -.00120 | .66400 | .03974 |
| .200 | 24.690 | .17597 | .07733 | .09950 | .18639 | -.02731 | -.00110 | .00040 | -.00120 | .67900 | .03974 |
| .200 | 26.750 | .19873 | .08869 | .10520 | .21116 | -.02731 | -.00110 | .00040 | -.00120 | .69300 | .03973 |
| .200 | 28.810 | .22220 | .10240 | .11260 | .23680 | -.02731 | -.00110 | .00040 | -.00120 | .70600 | .03973 |
| .200 | 30.880 | .24650 | .11900 | .12220 | .26340 | -.02731 | -.00110 | .00040 | -.00120 | .71800 | .03973 |
| .200 | 32.940 | .27180 | .13910 | .13470 | .29110 | -.02731 | -.00110 | .00040 | -.00120 | .72900 | .03973 |
| .200 | 35.000 | .29830 | .16360 | .15090 | .32010 | -.02731 | -.00110 | .00040 | -.00120 | .73900 | .03973 |
| .200 | 37.060 | .32620 | .19350 | .17190 | .35060 | -.02731 | -.00110 | .00040 | -.00120 | .74800 | .03973 |
| .200 | 39.130 | .35580 | .23040 | .19940 | .38290 | -.02731 | -.00110 | .00040 | -.00120 | .75600 | .03973 |
| .200 | 41.190 | .38740 | .27650 | .23540 | .41740 | -.02731 | -.00110 | .00040 | -.00120 | .76300 | .03973 |
| .200 | 43.250 | .42150 | .33470 | .28270 | .45470 | -.02731 | -.00110 | .00040 | -.00120 | .76900 | .03973 |
| .200 | 45.310 | .45870 | .40940 | .34540 | .49550 | -.02731 | -.00110 | .00040 | -.00120 | .77400 | .03973 |
| .200 | 47.380 | .49980 | .50760 | .42990 | .54090 | -.02731 | -.00110 | .00040 | -.00120 | .77800 | .03973 |
| .200 | 49.440 | .54610 | .63990 | .54610 | .59260 | -.02731 | -.00110 | .00040 | -.00120 | .78100 | .03973 |
| .200 | 51.500 | .59980 | .82220 | .70900 | .65290 | -.02731 | -.00110 | .00040 | -.00120 | .78300 | .03973 |
| .200 | 53.560 | .66440 | 1.09000 | .94600 | .72540 | -.02731 | -.00110 | .00040 | -.00120 | .78400 | .03973 |
| .200 | 55.630 | .74600 | 1.50000 | 1.30000 | .81540 | -.02731 | -.00110 | .00040 | -.00120 | .78400 | .03973 |
| .200 | 57.690 | .85000 | 2.14000 | 1.87000 | .93000 | -.02731 | -.00110 | .00040 | -.00120 | .78300 | .03973 |
| .200 | 59.750 | .98000 | 3.23000 | 2.84000 | 1.07000 | -.02731 | -.00110 | .00040 | -.00120 | .78000 | .03973 |
| .200 | 61.810 | 1.15000 | 5.07000 | 4.47000 | 1.26000 | -.02731 | -.00110 | .00040 | -.00120 | .77500 | .03973 |
| .200 | 63.880 | 1.37000 | 8.15000 | 7.20000 | 1.50000 | -.02731 | -.00110 | .00040 | -.00120 | .76800 | .03973 |
| .200 | 65.940 | 1.65000 | 13.20000 | 11.70000 | 1.81000 | -.02731 | -.00110 | .00040 | -.00120 | .75800 | .03973 |
| .200 | 68.000 | 2.00000 | 21.50000 | 19.10000 | 2.20000 | -.02731 | -.00110 | .00040 | -.00120 | .74400 | .03973 |
| .200 | 70.060 | 2.44000 | 35.30000 | 31.40000 | 2.69000 | -.02731 | -.00110 | .00040 | -.00120 | .72500 | .03973 |
| .200 | 72.130 | 3.00000 | 58.00000 | 51.70000 | 3.30000 | -.02731 | -.00110 | .00040 | -.00120 | .69900 | .03973 |
| .200 | 74.190 | 3.70000 | 95.30000 | 85.00000 | 4.07000 | -.02731 | -.00110 | .00040 | -.00120 | .66400 | .03973 |
| .200 | 76.250 | 4.57000 | 156.60000 | 139.70000 | 5.03000 | -.02731 | -.00110 | .00040 | -.00120 | .61600 | .03973 |
| .200 | 78.310 | 5.65000 | 257.30000 | 229.50000 | 6.22000 | -.02731 | -.00110 | .00040 | -.00120 | .55000 | .03973 |
| .200 | 80.380 | 6.99000 | 422.80000 | 377.20000 | 7.69000 | -.02731 | -.00110 | .00040 | -.00120 | .45400 | .03973 |
| .200 | 82.440 | 8.65000 | 695.00000 | 620.00000 | 9.51000 | -.02731 | -.00110 | .00040 | -.00120 | .30000 | .03973 |
| .200 | 84.500 | 10.70000 | 1142.00000 | 1019.00000 | 11.76000 | -.02731 | -.00110 | .00040 | -.00120 | .04000 | .03973 |
| .200 | 86.560 | 13.24000 | 1877.00000 | 1674.00000 | 14.55000 | -.02731 | -.00110 | .00040 | -.00120 | -.30000 | .03973 |
| .200 | 88.630 | 16.38000 | 3085.00000 | 2751.00000 | 18.00000 | -.02731 | -.00110 | .00040 | -.00120 | -.70000 | .03973 |
| .200 | 90.690 | 20.26000 | 5071.00000 | 4522.00000 | 22.27000 | -.02731 | -.00110 | .00040 | -.00120 | -1.10000 | .03973 |

0A86 B38C9 M7F8 W116E26V8R5X9 (RDX062) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 62/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.06210 | .03270 | .07760 | -.06210 | .03278 | -.01890 | .00760 | .18800 | 1.11100 | .04602 |
| .200 | -5.010 | -.08290 | .03870 | .09010 | -.08300 | .03869 | -.00990 | .00630 | .08800 | 1.05100 | .04274 |
| .200 | .000 | -.10410 | .03720 | .10080 | -.10410 | .03725 | -.00230 | .00150 | .00200 | 1.00800 | .04099 |
| .200 | 5.010 | -.08560 | .03340 | .09530 | -.08560 | .03338 | .00670 | -.00630 | -.09100 | 1.06100 | .04269 |
| .200 | 10.030 | -.07190 | .02620 | .08750 | -.07190 | .02626 | .01420 | -.00600 | -.18400 | 1.09900 | .04866 |
| | GRADIENT | -.00727 | -.00053 | .00652 | -.00726 | -.00053 | .00166 | -.00466 | -.01786 | .00133 | -.00540 |

0A86 B38C9 M7F8 W116E26V8R5X9 (RDX063) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 63/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .16550 | .03200 | .08600 | .16770 | .01715 | -.01370 | .00270 | .19200 | .46370 | .04454 |
| .200 | -5.020 | .13930 | .03380 | .10490 | .14180 | .02130 | -.01050 | .00460 | .10100 | .39000 | .04348 |
| .200 | .000 | .14160 | .03500 | .10390 | .14420 | .02230 | -.00140 | .00340 | .00400 | .38690 | .03812 |
| .200 | 5.000 | .14300 | .03170 | .10420 | .14520 | .01891 | .00510 | -.00190 | -.09100 | .38730 | .04037 |
| .200 | 10.020 | .16120 | .02330 | .09430 | .16260 | .00986 | .01560 | -.00430 | -.19140 | .43630 | .04365 |
| | GRADIENT | .00637 | -.00721 | .00033 | .00634 | -.00424 | .00156 | -.00067 | -.01910 | -.00130 | -.00451 |

OA86 B38C9 M7F8 W116E26V8R5X9 (RDX064) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.3671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 64/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .40680 | .05430 | .1340 | .41000 | -.01892 | -.02180 | .01530 | .23200 | .57100 | .04476 |
| .200 | -5.020 | .39580 | .05810 | .09720 | .39990 | -.01312 | -.01060 | .01050 | .09800 | .56200 | .03844 |
| .200 | -.020 | .39420 | .05730 | .10660 | .39810 | -.01366 | -.00180 | .00330 | .03500 | .55300 | .03672 |
| .200 | 4.990 | .39890 | .05250 | .11960 | .40100 | -.01911 | .00510 | -.00730 | -.08200 | .55400 | .03804 |
| .200 | 10.020 | .40880 | .04430 | .13820 | .40990 | -.02907 | .01900 | -.01490 | -.16800 | .56400 | .04371 |
| | GRADIENT | .00022 | -.00056 | .00078 | .00011 | -.00060 | .00157 | -.00178 | -.01798 | -.00780 | -.00704 |

OA86 B38C9 M7F8 W116E26V8R5X9 (RDX065) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 65/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .68470 | .13240 | .2790 | .69520 | -.05451 | -.02030 | .02130 | .28100 | .61000 | .04438 |
| .200 | -5.020 | .66850 | .12780 | .24920 | .67840 | -.04424 | -.01110 | .01340 | .14100 | .59800 | .04066 |
| .200 | -.020 | .67050 | .13120 | .24760 | .68160 | -.05145 | -.00520 | .00170 | .04900 | .58500 | .04316 |
| .200 | 4.990 | .66950 | .13000 | .24460 | .67830 | -.05716 | .00420 | -.00470 | -.07400 | .58400 | .04364 |
| .200 | 9.990 | .67350 | .12930 | .24430 | .68240 | -.06475 | .01660 | -.02000 | -.16700 | .58400 | .04397 |
| | GRADIENT | .00177 | -.00056 | .00074 | .00041 | -.00063 | .00153 | -.00231 | .01738 | .00400 | -.00012 |

0A86 B39C9 M7F8 W116E26V8R5X9 (RDX066) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 66/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.26880 | .05900 | .09090 | -.27230 | .03948 | -.00170 | .00530 | -.00900 | .77500 | .04326 |
| .200 | -2.070 | -.18800 | .04760 | .09360 | -.18960 | .04084 | -.00180 | .00570 | -.01100 | .83700 | .04293 |
| .200 | -1.080 | -.14440 | .04340 | .09730 | -.14520 | .04075 | -.00160 | .00530 | -.01000 | .89800 | .04097 |
| .200 | -.030 | -.10600 | .03830 | .10160 | -.10600 | .03824 | -.00230 | .00340 | -.00500 | 1.00400 | .04032 |
| .200 | .980 | -.05790 | .03580 | .10150 | -.05730 | .03681 | -.00240 | .00330 | -.00500 | 1.30300 | .04230 |
| .200 | 2.010 | -.00830 | .03460 | .10100 | -.00710 | .03489 | -.00260 | .00310 | -.00300 | 5.86200 | .03954 |
| .200 | 4.060 | .08940 | .03530 | .10190 | .09170 | .02894 | -.00230 | .00360 | -.00400 | .24300 | .03816 |
| .200 | 6.130 | .18670 | .04000 | .10280 | .18990 | .01985 | -.00210 | .00420 | -.00400 | .45200 | .03630 |
| .200 | 8.180 | .28920 | .04690 | .10370 | .29290 | .00525 | -.00140 | .00470 | -.00300 | .52100 | .03603 |
| .200 | 10.240 | .39140 | .05940 | .10490 | .39570 | -.01106 | -.00220 | .00470 | -.00300 | .55400 | .03539 |
| .200 | 12.310 | .49910 | .07920 | .10740 | .50450 | -.02912 | -.00260 | .00330 | -.00100 | .57300 | .03834 |
| .200 | 14.350 | .60630 | .11240 | .10670 | .61520 | -.04146 | -.00310 | .00260 | .00000 | .58800 | .03821 |
| .200 | 16.410 | .72360 | .15460 | .10500 | .73787 | -.05616 | -.00360 | .00343 | .00500 | .59900 | .04157 |
| .200 | 18.490 | .83480 | .21750 | .09740 | .86070 | -.05843 | -.00180 | .00455 | -.00400 | .61900 | .04447 |
| .200 | 20.560 | .94890 | .28250 | .09230 | .97770 | -.06875 | -.00930 | .00500 | .00000 | .61700 | .04876 |
| .200 | 22.620 | 1.06090 | .35590 | .08660 | 1.11620 | -.07962 | -.00720 | .00500 | -.00100 | .62300 | .05183 |
| .200 | 24.680 | 1.12150 | .42600 | .09400 | 1.19700 | -.08120 | -.00890 | .00430 | .00000 | .62500 | .05533 |
| .200 | 26.720 | 1.14920 | .48610 | .11590 | 1.24500 | -.08256 | -.00820 | .00580 | -.00100 | .61700 | .06503 |
| .200 | 28.710 | 1.02680 | .49470 | .17230 | 1.13830 | -.05950 | -.00140 | .01420 | -.00600 | .59600 | .07502 |
| .200 | 30.730 | .92970 | .50700 | .20000 | 1.03420 | -.03926 | -.00130 | .01370 | -.00100 | .58200 | .07460 |
| | GRADIENT | .04369 | -.00299 | .00137 | .04439 | -.00135 | -.00011 | .00033 | .00095 | .19337 | -.00065 |

0A86 B39C9 M7F8 W116E26V8R5X9 (RDX067) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 67/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.06640 | .03220 | .07800 | -.06640 | .03226 | -.01980 | .00790 | .18800 | 1.08400 | .04536 |
| .200 | -5.010 | -.08740 | .03870 | .07970 | -.08740 | .03869 | -.01050 | .00640 | .08900 | 1.09200 | .04301 |
| .200 | -.010 | -.10730 | .03760 | .08110 | -.10740 | .03781 | -.00310 | .00140 | .00100 | 1.09100 | .04170 |
| .200 | 5.040 | -.08830 | .03460 | .07940 | -.08850 | .03475 | .00660 | .00000 | -.09200 | 1.08400 | .04136 |
| .200 | 10.020 | -.07580 | .03210 | .08060 | -.07580 | .03210 | .01130 | -.00640 | -.18700 | 1.08100 | .04831 |
| | GRADIENT | -.00078 | -.00019 | .00035 | -.00088 | -.00039 | .00170 | -.00064 | -.01801 | .00121 | -.00016 |

CA86 B39C9 M7F8 W116E26V8R5X9 (RDX068) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2466 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0463 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILERON = .000
RUDDER = .000 SPOERR = 25.000

RUN NO. 68/ 0 RN/L = 1.42 GRADIENT INTERV = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2500 | -1.0000 | .1837 | .0360 | .0650 | .1858 | .0161 | - | .1310 | .0000 | .4800 | .4392 |
| .2000 | -5.0000 | .1414 | .0327 | .1012 | .1438 | .2000 | - | .0000 | .0000 | .3900 | .4121 |
| .2000 | -.1000 | .1414 | .0329 | .0945 | .1440 | .0319 | -.0 | .0000 | -.0010 | .3850 | .3723 |
| .2000 | 5.0000 | .1414 | .0329 | .0779 | .1439 | .0741 | .0000 | -.0000 | -.0000 | .3900 | .4102 |
| .2000 | 1.0000 | .1826 | .0360 | .0650 | .1840 | .0165 | .0000 | -.0076 | -.0000 | .4800 | .4420 |
| | GRADIENT | .0000 | -.0021 | .0000 | .0053 | -.0026 | .0000 | -.0053 | -.0000 | .0000 | -.0012 |

CA86 B39C9 M7F8 W116E26V8R5X9 (RDX 69) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.246 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0463 SCALE

PARAMETRIC DATA

ALPHA = 10.0000 BDFLAP = -12.0000
ELEVON = .000 AILERON = .000
RUDDER = .000 SPOERR = 25.000

RUN NO. 69/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2500 | -1.0000 | .4056 | .0336 | .0794 | .4075 | -.1327 | .0227 | .1510 | .2000 | .5714 | .4474 |
| .2000 | -5.0000 | .3932 | .0370 | .0000 | .4229 | -.1514 | -.0114 | .1400 | .0000 | .5600 | .3920 |
| .2000 | .0000 | .3944 | .0375 | .0954 | .3994 | -.1354 | -.0023 | .0000 | .0000 | .5550 | .3965 |
| .2000 | 5.0000 | .3944 | .0375 | .0952 | .3971 | -.1073 | .0045 | -.0000 | -.0000 | .5550 | .3954 |
| .2000 | 1.0000 | .4056 | .0344 | .0794 | .4035 | -.0321 | .0159 | -.0076 | -.0000 | .5600 | .4373 |
| | GRADIENT | -.0000 | -.0045 | .0000 | -.0053 | -.0035 | .0159 | -.0053 | -.0000 | .0000 | -.0093 |

CA66 B39C9 M7F8 W116E26V8R5X9 (RQX07Q) ( 08 JAN 74 )

REFERENCE DATA

BREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2466 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.00 DEG BOFLAP = -12.000
ELEVON = .00 AILRON = .00
RUDDER = .00 SPOBRK = 25.000

RUN NO 75/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2*0 | -9.99 | .6834 | .1519 | .0802 | .6935 | -.05446 | -.02090 | .02090 | .20200 | .6.9*0 | .04451 |
| .2** | -5.3* | .6855 | .1273 | .1***6 | .6754 | -.05332 | -.*1106 | .01291 | .1*1*0 | .597*0 | .04*52 |
| .2** | -.*3* | .6691 | .13** | .1*64* | .6799 | -.05162 | -.*04* | .*1** | .13 | .594* | .*3*4 |
| .2** | 3.*1 | .6659 | .1251 | .1*71* | .6753 | -.05611 | .*0511 | -.*1*2* | -.*** | .593** | .*3*3 |
| .2** | 1*.*1 | .6812 | .12** | .*3*2* | .6*** | -.06442 | .*1*9* | - | -.1** | .6** | .433 |
| | GRADIENT | .**** | -.*** | .**71 | -.**** | -.***22 | .*156 | -.*** | -.*** | -.**4* | -.*016 |

CA66 B5QC9 M7F8 W116E26V8R5X9 (RQX07Q) ( 08 JAN 74 )

REFERENCE DATA

BREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2466 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .00 BOFLAP = -12.000
ELEVON = .00 AILRON = .00
RUDDER = .00 SPOBRK = 25.00

RUN NO. 71/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2*0 | -4.14* | -.2876* | .*596* | .*8*1* | -.2712* | .05951 | -.*0*2* | .*490 | -.*2**0 | .774** | .*4362 |
| .2** | -2.1** | -.1868* | .*483* | .*344 | -.1884* | .*4143 | -.*0*13 | .*254 | -.*1*40 | .836** | .4*18 |
| .2** | -1.0** | -.1444* | .*441* | .*974 | -.1432* | .*4153 | -.*1** | .*453* | -.*4**4 | .*** | .3583 |
| .2** | -.*4* | -.1037* | .*356* | .1**** | -.1037* | .*3861 | -.*42** | .*43** | -.*4*4* | 1.** | .*4*3 |
| .2** | .9** | -.0563* | .*336 | .1*11* | -.*556* | .03664 | -.*422* | .*428* | -.*4*3* | 1.32* | .*4*7 |
| .2** | 2.0** | -.*176* | .*345* | .1*11 | -.*464* | .03475 | -.*422* | .*4285 | -.*43** | 6.4**** | .*4*3 |
| .2** | 4.*4* | .*895* | .*349* | .1*16* | .*916* | .*2856 | -.*417* | .*432* | -.*43** | .244** | .*3**5 |
| .2** | 6.11 | .1079* | .*36** | .1*36* | .1911* | .*1866 | -.*411 | .*439* | -.*44 | .453** | .*761 |
| .2** | 8.18* | .2*9** | .*472 | .1*36* | .2934* | .*4554 | -.*4*5* | .*44* | -.*43* | .522** | .*36*4 |
| .2** | 10.24* | .39** | .*593 | .1*4* | .3951* | -.*4116 | -.*4** | .*46* | -.*4** | .554 | .3671 |
| .2** | 12.3** | .49** | .*6** | .1*6* | .5*44 | -.*2**4 | -.*4*** | .*4** | .*4* | .574 | .*5*13 |
| .2** | 14.36* | .6*** | .1121* | .1*54 | .6176 | -.*4234 | -.*4** | .*421 | .*4** | .** | .5*43 |
| .2** | 16.43* | .72** | .1*** | .1*5* | .7*23 | -.*5724 | -.*4** | .*42* | .*4*6 | .* | .4*** |
| .2** | 18.51* | .84** | .21** | .**** | .8675* | -.5**8 | .*42* | .*451 | -.*4** | .*** | 4**2 |
| .2** | 2*.5** | .959* | .2*** | .*4** | .9*73 | -.*1*94 | .*4** | .*44 | .*** | .* | .*** |
| 2.0* | 22.62* | 1.*65* | .3568 | .*859* | 1.121* | -.*4**5 | .*4*1* | .*44 | .*** | .*** | 54.6 |
| 2.** | 24.6** | 1.1241 | .4295* | .*9**** | 1.2**4* | -.*4*1 | .*** | .*4 | .*** | .*** | 5*51 |
| 2.** | 26.71 | 1.1442* | .4**** | .*14 | 1.24** | -.*3*8 | .*** | .*5* | .*** | .*** | .*** |
| 2.** | 28.7** | 1.1**4* | .4*** | .*7* | 1.1** | -.**** | -.*11 | .*** | -.*1** | .5** | .*** |
| 2.** | 3.** | .** | .*** | .*** | 1.**** | -.*3*7 | -.*** | .*** | .*** | .5*2 | .*** |
| | GRADIENT | .*** | -.*** | .*** | .*** | -.*144 | -.*11 | -.*** | .*** | .2**** | -.*** |

0486 B50C9 M7F8 W116E26V6R5X9 (RDX072) ( 8 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .04 SCALE

PARAMETRIC DATA

ALPHA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOILR = .00

RUN NO. 727 0 MACH = 1.42 GRADIENT INTERVAL = -6.75/ 6.1/

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2* | - 5. | -.1686 | .3394 | 767 | -.1685 | 33.6 | -.1864 | .177 | .186- | 1.110 | .4561 |
| .2* | 4. 5. | -.1681 | 3** | ***1 | - ***8 | .3*85 | - ***2 | .61 | .3 | 1.82* | .4284 |
| .2* | - .1 | -.1 61 | .3*3 | .. 1** | - *.21. | .3755 | -. 27. | .3 | .2 | 1 .14* | 4 .3 |
| .2* | 4 .3* | -.1861 | 33** | .345 | - *.863 | .3567 | 71 | * | -. 31 | 1. 55 | .42* |
| .2* | 1 . 5 | - *.716* | .*5* | .*** | .716* | .*566 | .147. | -. 53 | - .*2* | 1.. 1.* | 4701 |
| | GRADIENT | -. ****5 | - ** ** | .*54 | -. ****5 | - ** ** | .165 | - ***1 | - 17.6 | .*3 | -. * *2 |

0486 B50C9 M7F8 W116E26V6R5X9 ( 8 JAN 74 )

REFERENCE DATA

SREF 4.4119 SQ.FT. XMRP 43.5974 INCHES
LREF 19.2480 INCHES YMRP .0000 INCHES
BREF 37.9671 INCHES ZMRP 15.1875 INCHES
SCALE .04 SCALE

PARAMETRIC DATA

ALPHA . BOFLAP -12.00
ELEVON AILRON
RUDDER . 25.*

RUN NO. 73/ MACH = 1.42 GRADIENT INTERVAL = -6.*/ 6.*

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2* | - .4. | .1655 | .3.5 | 5** | .1.*5 | .165* | - .1.*5 | 1 .* | .** | .** | .4564 |
| .2* | * .* | .1*3 | .14.* | .** | .6** | .** | . .5 | .51 | 1 .1 | .** | .* |
| .2* | - .5 | .1.44.* | .15* | 1 .** | .14** | . .24. | - .* .* | .55 | .* | .* | .* |
| .2* | 4. .* | .144.* | .19* | . .** | .14.* | .1.47 | .*55 | 1.* | - .* | .** | *.** |
| .2* | 1 .* | . .* | .** | .54 | .1.** | .**.* | .** | - | - .* | .** | .14** |
| | GRADIENT | .***. | - ** .* | .**.* | .***. | ** .* | .1** | .** | .** | | .*4 |

OA86 B5CC9 M7F8 W116E26V8R5x9 (RDX074) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.00 DEG BDFLAP = -12.000
ELEVON = .00 AILRON = .00
RUDDER = .00 SPOBRK = 25.000

RUN NO. 74/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CRL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .4396 | .1542 | .06830 | .4127 | -.01949 | -.02180 | .01553 | .20159 | .5735 | .4569 |
| .200 | -5.020 | .5966 | .1584 | .09700 | .5743 | -.01367 | -.01080 | .01448 | .28000 | .5636 | .4954 |
| .200 | .000 | .7496 | .1833 | .12590 | .7231 | -.01321 | -.00180 | .01205 | .35000 | .5654 | .4964 |
| .200 | 4.990 | .8966 | .2533 | .15560 | .8591 | -.01798 | .00439 | .00777 | .41900 | .5654 | .4958 |
| .200 | 10.020 | .4317 | .0445 | .09940 | .4161 | -.02931 | .01614 | -.01460 | -.13600 | .5544 | .4598 |
| | GRADIENT | -.00758 | -.00151 | .00486 | -.00648 | -.00043 | .00157 | -.00177 | -.01788 | -.00009 | -.00026 |

OA86 B5CC9 M7F8 W116E26V8R5x9 (RDX075) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.00 DEG BDFLAP = -12.000
ELEVON = .00 AILRON = .00
RUDDER = .00 SPOBRK = 25.000

RUN NO. 75/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CRL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .6842 | .1329 | .07960 | .6949 | -.05365 | -.02120 | .01410 | .20400 | .6096 | .5383 |
| .200 | -5.020 | .6687 | .1281 | .09910 | .6787 | -.05417 | -.01130 | .01350 | .19200 | .5960 | .5241 |
| .200 | .000 | .6715 | .1340 | .11580 | .6820 | -.05263 | -.00540 | .01270 | .18100 | .5955 | .5414 |
| .200 | 5.000 | .6756 | .1248 | .13610 | .6797 | -.05765 | .00390 | .00930 | .17200 | .5943 | .5447 |
| .200 | 10.020 | .6849 | .1227 | .15880 | .6929 | -.06370 | .01770 | -.01210 | -.16500 | .5934 | .5477 |
| | GRADIENT | .00319 | -.00153 | .01592 | -.00135 | .00152 | -.00237 | -.01776 | -.01015 | -.00116 | -.00276 |

CASE B5UC9 M7F8 W116E26V8F5X9 (R0X078) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | ZMRP = | 43.5974 INCHES |
| LREF = | 19.248 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.4871 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | 4.5 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .0000 | BOFLAP = | -12.00 |
| ELEVON = | 5 | AILRON = | 0 |
| RUDDER = | | SPOILER | 25 |

R No 74/ 76/ R = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CDM | CDB | CAF | CYN | CRL | CY | XCP/L | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .60 | 4.00 | .1008 | .0111 | .0504 | .0113 | .3741 | -.0013 | .0042 | .0000 | | .4533 |
| .60 | 8.00 | .2014 | .0346 | .0056 | .0113 | .3737 | .0000 | .0111 | .0000 | | .4533 |
| .60 | 12.00 | .3020 | .0621 | .0126 | .0113 | .3733 | .0000 | .0211 | .0000 | | .4533 |
| .60 | 16.00 | .4026 | .0936 | .0224 | .0113 | .3729 | .0000 | .0341 | .0000 | | .4533 |
| .60 | 20.00 | .5032 | .1290 | .0350 | .0113 | .3725 | .0000 | .0501 | .0000 | | .4533 |
| .60 | 24.00 | .6038 | .1684 | .0504 | .0113 | .3721 | .0000 | .0691 | .0000 | | .4533 |
| .60 | 28.00 | .7044 | .2117 | .0686 | .0113 | .3717 | .0000 | .0911 | .0000 | | .4533 |
| .60 | 32.00 | .8050 | .2590 | .0896 | .0113 | .3713 | .0000 | .1161 | .0000 | | .4533 |
| .60 | 36.00 | .9056 | .3102 | .1134 | .0113 | .3709 | .0000 | .1441 | .0000 | | .4533 |
| .60 | 40.00 | 1.0062 | .3654 | .1400 | .0113 | .3705 | .0000 | .1751 | .0000 | | .4533 |
| .60 | 44.00 | 1.1068 | .4245 | .1694 | .0113 | .3701 | .0000 | .2091 | .0000 | | .4533 |
| .60 | 48.00 | 1.2074 | .4876 | .2016 | .0113 | .3697 | .0000 | .2461 | .0000 | | .4533 |
| .60 | 52.00 | 1.3080 | .5546 | .2366 | .0113 | .3693 | .0000 | .2861 | .0000 | | .4533 |
| .60 | 56.00 | 1.4086 | .6256 | .2744 | .0113 | .3689 | .0000 | .3291 | .0000 | | .4533 |
| .60 | 60.00 | 1.5092 | .7005 | .3150 | .0113 | .3685 | .0000 | .3751 | .0000 | | .4533 |
| .60 | 64.00 | 1.6098 | .7794 | .3584 | .0113 | .3681 | .0000 | .4241 | .0000 | | .4533 |
| .60 | 68.00 | 1.7104 | .8622 | .4046 | .0113 | .3677 | .0000 | .4761 | .0000 | | .4533 |
| .60 | 72.00 | 1.8110 | .9490 | .4536 | .0113 | .3673 | .0000 | .5311 | .0000 | | .4533 |
| .60 | 76.00 | 1.9116 | 1.0397 | .5054 | .0113 | .3669 | .0000 | .5891 | .0000 | | .4533 |
| .60 | 80.00 | 2.0122 | 1.1344 | .5600 | .0113 | .3665 | .0000 | .6501 | .0000 | | .4533 |
| .60 | 84.00 | 2.1128 | 1.2330 | .6174 | .0113 | .3661 | .0000 | .7141 | .0000 | | .4533 |
| .60 | 88.00 | 2.2134 | 1.3356 | .6776 | .0113 | .3657 | .0000 | .7811 | .0000 | | .4533 |
| .60 | 92.00 | 2.3140 | 1.4422 | .7406 | .0113 | .3653 | .0000 | .8511 | .0000 | | .4533 |
| .60 | 96.00 | 2.4146 | 1.5528 | .8064 | .0113 | .3649 | .0000 | .9241 | .0000 | | .4533 |
| .60 | 100.00 | 2.5152 | 1.6674 | .8750 | .0113 | .3645 | .0000 | .9999 | .0000 | | .4533 |

0A86 B38C9 H7F8 W11AE26V8R3X9 (R0X077) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 13.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = [illegible] AILRON = .000
RUDDER = [illegible] SPDBRK = 25.000

RUN NO. 77/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.19060 | .05130 | .05600 | -.19370 | .03753 | -.00170 | .00630 | -.01200 | .75400 | .04576 |
| .200 | -2.070 | -.10580 | .04260 | .05960 | -.10770 | .03881 | -.00220 | .00520 | -.00900 | .63600 | .04570 |
| .200 | -1.030 | -.06190 | .03970 | .06070 | -.06260 | .03865 | -.00240 | .00490 | -.00700 | 1.05900 | .04352 |
| .200 | -.010 | -.02070 | .03600 | .06450 | -.02170 | .03606 | -.00320 | .00270 | -.00200 | 1.79700 | .04417 |
| .200 | 1.000 | .02720 | .03650 | .06330 | .02760 | .03609 | -.00310 | .00280 | -.00300 | -.18300 | .04200 |
| .200 | 2.040 | .07710 | .03540 | .06390 | .07841 | .03271 | -.00320 | .00230 | -.00200 | .35100 | .04340 |
| .200 | 4.090 | .17160 | .04010 | .06490 | .17390 | .02781 | -.00170 | .00400 | -.00400 | .51400 | .04094 |
| .200 | 6.160 | .27200 | .04540 | .06560 | .27530 | .01598 | -.00210 | .00470 | -.00400 | .56400 | .04063 |
| .200 | 8.220 | .37310 | .05640 | .06640 | .37730 | .00252 | -.00230 | .00490 | -.00500 | .58700 | .03909 |
| .200 | 10.270 | .47730 | .07170 | .06720 | .48250 | -.01450 | -.00250 | .00410 | -.00400 | .60300 | .03930 |
| .200 | 12.340 | .58210 | .09560 | .07000 | .58900 | -.03098 | -.00380 | .00230 | -.00300 | .60800 | .04027 |
| .200 | 14.390 | .69700 | .13080 | .06810 | .70770 | -.04660 | -.00380 | .00096 | -.00300 | .61600 | .04256 |
| .200 | 16.450 | .80880 | .17690 | .06540 | .82580 | -.05942 | -.00430 | .00460 | -.00600 | .62300 | .04486 |
| .200 | 18.520 | .92240 | .24330 | .05860 | .95200 | -.06238 | -.00160 | .00630 | -.00400 | .62900 | .04644 |
| .200 | 20.590 | 1.02970 | .31560 | .05160 | 1.07490 | -.06679 | -.00140 | .00410 | -.00100 | .63400 | .05138 |
| .200 | 22.650 | 1.14060 | .38850 | .04870 | 1.20230 | -.08087 | -.00050 | .00550 | .00000 | .63700 | .05601 |
| .200 | 24.700 | 1.19740 | .46080 | .06040 | 1.28040 | -.08184 | -.00020 | .00530 | -.00100 | .63400 | .06161 |
| .200 | 26.730 | 1.17620 | .50530 | .09380 | 1.27780 | -.07788 | -.00090 | .00830 | -.00400 | .62500 | .07122 |
| .200 | 28.720 | 1.03490 | .50820 | .13500 | 1.15180 | -.05176 | -.00360 | .01550 | -.01200 | .60200 | .07608 |
| .200 | 30.750 | .96220 | .52960 | .17850 | 1.09770 | -.03692 | -.00300 | .00540 | -.00100 | .59200 | .07790 |
| | GRADIENT | .04413 | -.00145 | .00109 | .04480 | -.00125 | -.00008 | -.00037 | .00116 | -.07351 | -.00059 |

OA86 B39C9 M7F8 W116E26V8R5X9 (R0X078) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 78/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLA | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.19435 | .05200 | .065.7 | -.10750 | .03739 | -.00110 | .00[illegible] | -.01200 | 753.0 | -.0[illegible]557 |
| .200 | -2.[illegible] | -.11.7[illegible] | .04320 | .061 | [illegible] | .02335 | -.00150 | .01530 | -.[illegible] | [illegible] | [illegible]457 |
| .200 | -1.[illegible] | -.06200 | .[illegible]1[illegible] | .0[illegible]5[illegible] | -[illegible]85 | .[illegible]7905 | -.00171 | [illegible]0[illegible]5[illegible] | -.[illegible]0905 | 1.[illegible]0[illegible]3 | .[illegible]3412 |
| .200 | .0 | -.[illegible]2[illegible] | .[illegible]0[illegible]5[illegible] | [illegible] | .[illegible]23[illegible] | [illegible]50 | -.[illegible]0423 | .[illegible]0[illegible]0[illegible] | -.[illegible]0[illegible]0 | [illegible] | [illegible]47[illegible] |
| .200 | [illegible].[illegible]5[illegible] | [illegible]264[illegible] | [illegible]3[illegible]40 | [illegible]5 | .[illegible]1[illegible]7 | [illegible]6[illegible]3 | -.[illegible]0750 | [illegible]0[illegible]7[illegible] | -.[illegible]1[illegible]5 | [illegible] | [illegible]-[illegible]8 |
| .200 | [illegible].[illegible]8[illegible] | [illegible].[illegible]4[illegible]0 | [illegible] | [illegible] | [illegible].[illegible]0[illegible] | [illegible]36[illegible] | -.[illegible]0[illegible]5[illegible] | [illegible]0[illegible] | [illegible]0[illegible]4[illegible] | [illegible].[illegible]3[illegible]1[illegible] | [illegible]-[illegible]740 |
| .200 | [illegible].[illegible]0[illegible]0[illegible] | [illegible].[illegible]2[illegible] | [illegible] | [illegible] | [illegible].[illegible]4[illegible]5[illegible] | [illegible]6[illegible] | -.[illegible]0[illegible]5[illegible] | [illegible]0[illegible] | [illegible]0[illegible] | [illegible].[illegible]1[illegible]1[illegible] | [illegible].[illegible]5 |
| .200 | [illegible].[illegible]0[illegible] | [illegible].[illegible]2[illegible]5[illegible] | [illegible] | [illegible] | [illegible].[illegible]4[illegible]5[illegible] | .[illegible]01[illegible]32 | -.[illegible]0[illegible]5[illegible] | [illegible]0[illegible]0[illegible] | [illegible].[illegible]0[illegible]2[illegible] | 56[illegible] | [illegible]2[illegible]39 |
| .200 | 8.[illegible] | [illegible].[illegible]4[illegible] | [illegible] | [illegible] | [illegible].[illegible]3[illegible] | [illegible]0[illegible] | -.[illegible]0[illegible]5[illegible] | [illegible].[illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible] | [illegible]3[illegible]1 |
| .200 | 1.[illegible] | .[illegible]475 | [illegible] | [illegible] | [illegible].[illegible] | [illegible]1[illegible]0[illegible] | -.[illegible]0[illegible] | [illegible]0[illegible]0[illegible] | [illegible] | [illegible].[illegible] | [illegible]2[illegible]0 |
| .200 | 12.3[illegible] | [illegible]5[illegible] | [illegible] | [illegible] | [illegible].[illegible]5 | [illegible].[illegible]1 | -.[illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible]0[illegible] | [illegible]6[illegible]3 | [illegible].[illegible]8 |
| .200 | [illegible].[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible]1[illegible]6[illegible] | -.[illegible]0[illegible] | [illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible]61.[illegible] | [illegible].[illegible] |
| .200 | [illegible].[illegible]3 | [illegible].[illegible] | [illegible] | [illegible] | [illegible] | [illegible]5.[illegible]1 | [illegible].[illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible].[illegible]6[illegible] | [illegible].[illegible]5 |
| .200 | [illegible].[illegible] | [illegible].[illegible]0[illegible] | [illegible] | [illegible] | [illegible].[illegible] | [illegible].[illegible]14[illegible] | [illegible].[illegible]4[illegible] | [illegible]0[illegible] | [illegible].[illegible] | [illegible].[illegible] | [illegible].[illegible]8 |
| .200 | 5.57 | 1.[illegible] | [illegible] | [illegible] | [illegible].[illegible] | [illegible].[illegible]0[illegible] | -.[illegible]0[illegible] | [illegible]0[illegible] | [illegible].[illegible]0[illegible] | .[illegible]03[illegible] | [illegible].[illegible] |
| .200 | 22.64 | 1.[illegible]0 | [illegible] | [illegible] | 1.[illegible] | .[illegible]749 | [illegible].[illegible]0[illegible] | [illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible].[illegible]7[illegible] | [illegible] |
| .200 | 24.[illegible] | 1.[illegible] | [illegible] | [illegible] | [illegible].[illegible]4[illegible] | -.[illegible]2 | [illegible].[illegible]0[illegible] | [illegible]0[illegible] | [illegible]0[illegible] | [illegible].[illegible]4[illegible] | [illegible].[illegible]5 |
| .200 | 26.7[illegible] | 1.[illegible] | [illegible] | [illegible] | [illegible].[illegible]5[illegible] | [illegible]8[illegible] | [illegible].[illegible]0[illegible] | [illegible] | [illegible].[illegible]0[illegible] | [illegible]7[illegible] | [illegible].[illegible]0[illegible]4 |
| .200 | 20.[illegible] | [illegible]534[illegible] | .[illegible]5[illegible] | [illegible].[illegible]57[illegible] | [illegible].[illegible] | -.[illegible]05[illegible]1 | [illegible]03[illegible] | [illegible].[illegible]1[illegible] | [illegible]0[illegible] | [illegible].[illegible]0[illegible] | [illegible].[illegible]7[illegible] |
| .200 | [illegible].[illegible] | [illegible] | [illegible] | [illegible].[illegible] | 1.[illegible]120 | -.[illegible]3641 | -.[illegible]0[illegible] | [illegible].[illegible]0[illegible] | -.[illegible]0[illegible] | [illegible]5[illegible] | [illegible].[illegible]7[illegible] |
| | GRADIENT | [illegible] | -.[illegible]5[illegible] | [illegible] | [illegible] | -.[illegible]1131 | -.[illegible]031 | [illegible].[illegible]0[illegible] | [illegible].[illegible]0[illegible] | -.[illegible]7681 | [illegible] |

0A86 B31C9 MTF8 W116E2GV8R5X9 (RDX079) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0455 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 79/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.18830 | .05110 | .05480 | -.19150 | .03755 | -.00080 | .00650 | -.01300 | .75700 | .04661 |
| .200 | -2.070 | -.10080 | .04270 | .05770 | -.10230 | .03910 | -.00130 | .00530 | -.00900 | .85900 | .04536 |
| .200 | -1.030 | -.05830 | .03920 | .05980 | -.05900 | .03817 | -.00160 | .00470 | -.00800 | 1.02500 | .04550 |
| .200 | -.010 | -.01940 | .03700 | .06280 | -.01940 | .03700 | -.00200 | .00280 | -.00350 | 1.83900 | .04411 |
| .200 | 1.010 | .02940 | .03590 | .06240 | .03010 | .03538 | -.00210 | .00230 | -.00300 | -.11100 | .04398 |
| .200 | 2.040 | .07910 | .03610 | .06220 | .08030 | .03327 | -.00190 | .00130 | -.00400 | 36600 | .04356 |
| .200 | 4.100 | .17720 | .03980 | .06340 | .17960 | .02712 | -.00070 | .00450 | -.00700 | .52200 | .04256 |
| .200 | 6.170 | .27515 | .04720 | .06340 | .27860 | .01739 | -.00070 | .00420 | -.00500 | .56800 | .04087 |
| .200 | 8.210 | .37510 | .05780 | .06490 | .37950 | .00362 | -.00080 | .00451 | -.00400 | .58900 | .03866 |
| .200 | 10.260 | .48090 | .07230 | .06650 | .48600 | -.01455 | -.00150 | .00480 | -.00200 | .60100 | .03578 |
| .200 | 12.330 | .58370 | .09770 | .06790 | .59100 | -.02926 | -.00220 | .00250 | .00100 | .60900 | .03948 |
| .200 | 14.380 | .70170 | .13270 | .06500 | .71270 | -.04575 | -.00230 | .00250 | .00200 | .61800 | .04239 |
| .200 | 16.450 | .81510 | .17980 | .06290 | .83270 | -.05841 | -.00330 | .00387 | .00500 | .62400 | .04507 |
| .200 | 18.520 | .92460 | .24650 | .05580 | .95500 | -.06009 | -.00350 | .00680 | -.00600 | .63000 | .04747 |
| .200 | 20.580 | 1.03380 | .31790 | .04990 | 1.07960 | -.06586 | -.00040 | .00140 | .00200 | .63500 | .05284 |
| .200 | 22.650 | 1.14720 | .39220 | .04700 | 1.20980 | -.07996 | .00070 | .00550 | .00000 | .63700 | .05687 |
| .200 | 24.700 | 1.19900 | .46430 | .05810 | 1.28530 | -.07931 | .00080 | .00490 | -.00300 | .63500 | .06177 |
| .200 | 26.730 | 1.17560 | .50920 | .09450 | 1.27900 | -.07399 | -.00090 | .00680 | -.00370 | .62400 | .07116 |
| .200 | 28.720 | 1.02620 | .50580 | .15750 | 1.14300 | -.04958 | .00050 | .00600 | -.00450 | .60100 | .07783 |
| .200 | 30.730 | .96270 | .53200 | .17480 | 1.09940 | -.03472 | -.00260 | .00310 | .00290 | .59300 | .07738 |
| | GRADIENT | .04431 | -.00143 | .00107 | .04498 | -.00130 | -.00003 | -.00032 | .00090 | -.07091 | -.00049 |

OA66 830C9 MTF8 W1*5E26\8R5X9 (RDX080) ( 08 JAN 74 )

REFFRENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.260 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9571 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBR = | 25.000 |

RUN NO. 80/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .240 | -4.100 | -.1894 | .05110 | .0547 | -.1926 | .0343 | -.0016 | .00620 | -.1100 | .4600 | .0036 |
| .240 | -2.050 | -.1024 | .04310 | .0582 | -.1059 | .0349 | -.0021 | .00470 | -.0609 | .5810 | .0047 |
| .240 | -1.013 | -.0629 | .03920 | .0613 | -.0636 | .0345 | -.0029 | .00340 | -.0400 | .6160 | .0055 |
| .240 | .000 | -.0179 | .03530 | .0635 | -.0179 | .0336 | -.0031 | .00270 | -.0300 | .6460 | .0057 |
| .240 | 1.025 | .0289 | .03210 | .0650 | .0269 | .0326 | -.0031 | .00220 | -.0200 | .6760 | .0057 |
| .240 | 2.054 | .0787 | .0363 | .0 | .0729 | .0349 | -.0029 | .0 | -.0100 | .7 | .0 |
| .240 | 4.100 | .1750 | .0 | .0 | .1679 | .0344 | -.0025 | .0 | .0 | .7 | .0 |
| .240 | 6.1 | .2742 | .0 | .0 | .2626 | .0343 | .0033 | .0 | .0 | .7 | .0 |
| .240 | 8.2 | .3734 | .0 | .0 | .3573 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 10.2 | .4725 | .0 | .0 | .4520 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 12.35 | .5715 | .0 | .0 | .5466 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 14.4 | .6705 | .0 | .0 | .6412 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 16.4 | .7695 | .0 | .0 | .7358 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 18.5 | .8685 | .0 | .0 | .8305 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 20.5 | .9675 | .0 | .0 | .9251 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 22.6 | 1.066 | .0 | .0 | 1.020 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 24.7 | 1.165 | .0 | .0 | 1.114 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 26.7 | 1.264 | .0 | .0 | 1.209 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 28.8 | 1.363 | .0 | .0 | 1.303 | .0 | .0 | .0 | .0 | .7 | .0 |
| .240 | 30.8 | 1.462 | .0 | .0 | 1.398 | .0 | .0 | .0 | .0 | .7 | .0 |
| | GRADIENT | .0486 | | | .0486 | .0 | .0 | .0 | .0 | .0 | .0 |

OA86 B32C9 M7F8 W116F26V8R5X9 (RDx081) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 81/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.17300 | .05060 | .04880 | -.17620 | .03808 | -.00120 | .00660 | -.01300 | .75400 | .04898 |
| .200 | -2.090 | -.08930 | .04240 | .05280 | -.09080 | .03912 | -.00170 | .00540 | -.01000 | .86600 | .04798 |
| .200 | -1.030 | -.05050 | .03690 | .05610 | -.05120 | .03798 | -.00250 | .00370 | -.00400 | 1.05500 | .04667 |
| .200 | .000 | -.00480 | .03670 | .05740 | -.00480 | .03672 | -.00310 | .00250 | -.00100 | 5.00200 | .04643 |
| .200 | 1.000 | .04190 | .03660 | .05670 | .04250 | .03586 | -.00290 | .00270 | -.00100 | .16100 | .04544 |
| .200 | 2.040 | .09170 | .03740 | .05670 | .09300 | .03412 | -.00230 | .00320 | -.00300 | .42700 | .04450 |
| .200 | 4.080 | .18540 | .04110 | .05740 | .18780 | .02787 | -.00180 | .00400 | -.00400 | .53000 | .04267 |
| .200 | 6.150 | .28730 | .04830 | .05830 | .29090 | .01727 | -.00130 | .00490 | -.00300 | .57800 | .04066 |
| .200 | 8.210 | .38690 | .05960 | .05980 | .39140 | .00317 | -.00160 | .00500 | -.00400 | .59500 | .03999 |
| .200 | 10.270 | .49400 | .07540 | .0595 | .49950 | -.01581 | -.00220 | .00460 | .00000 | .61800 | .03937 |
| .200 | 12.340 | .59570 | .10000 | .06300 | .60330 | -.02357 | -.00370 | .00230 | .00300 | .61500 | .04062 |
| .200 | 14.390 | .71170 | .13480 | .06090 | .72290 | -.04634 | -.00370 | .00250 | .00450 | .62100 | .04335 |
| .200 | 16.450 | .82570 | .18240 | .05840 | .84360 | -.05838 | -.00410 | .00330 | .00500 | .62600 | .04623 |
| .200 | 18.530 | .93580 | .24990 | .05190 | .95370 | -.06757 | .00170 | .00150 | -.00300 | .63200 | .04980 |
| .200 | 20.590 | 1.03610 | .32000 | .04820 | 1.04250 | -.06485 | -.00120 | .00140 | .00100 | .63500 | .05326 |
| .200 | 22.650 | 1.14990 | .39310 | .04690 | 1.21260 | -.08013 | -.00240 | .00620 | .00600 | .63700 | .05872 |
| .200 | 24.700 | 1.19030 | .46110 | .06400 | 1.27410 | -.07857 | .00040 | .00430 | -.00100 | .63400 | .06253 |
| .200 | 26.710 | 1.17730 | .50880 | .09490 | 1.28040 | -.07479 | -.00160 | .00610 | -.00200 | .62430 | .07220 |
| .200 | 28.710 | 1.01750 | .49860 | .16240 | 1.13190 | -.05145 | .00100 | -.00430 | .00000 | .59900 | .07926 |
| .200 | 30.730 | .96840 | .53260 | .17650 | 1.10460 | -.03722 | -.00100 | .00370 | -.00300 | .59200 | .07737 |
| | GRADIENT | .04385 | -.00117 | .00100 | .04453 | -.00123 | -.00009 | -.00037 | .00123 | -.05951 | -.00078 |

OA86 B33C9 M7F8 W116E26V8R5X9 (RDX082) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 027 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .250 | -4.100 | -.1767 | .04970 | .04990 | -.17980 | .03696 | -.00140 | .00540 | -.01040 | .75400 | .04730 |
| .200 | -2.050 | -.0865 | .04210 | .05330 | -.09100 | .03890 | -.00200 | .00540 | -.00700 | .66700 | .04559 |
| .250 | -1.025 | -.0546 | .03630 | .05760 | -.05530 | .03779 | -.00300 | .00530 | .00000 | 1.03700 | .04481 |
| .250 | .000 | -.0064 | .03670 | .05950 | -.01640 | .03677 | -.00310 | .00530 | .00000 | 2.06900 | .04421 |
| .250 | 1.025 | .0471 | .04130 | .06177 | .03130 | .03537 | -.00320 | .00560 | .00000 | .17100 | .04379 |
| .250 | 2.050 | .0964 | .04750 | .06410 | .07670 | .03413 | -.00290 | .00530 | .00000 | .44300 | .04211 |
| .250 | 4.100 | .1955 | .06 | .06 | .16 | .03 | -.00 | .00 | .00 | .67 | .04153 |
| .250 | 6.150 | .2956 | .08 | .07 | .25 | .03 | -.00 | .00 | .00 | .79 | .03885 |
| .250 | 8.200 | .3967 | .11 | .08 | .34 | .03 | -.00 | .00 | .00 | .85 | .03615 |
| .250 | 10.250 | .4987 | .14 | .09 | .43 | .03 | -.00 | .00 | .00 | .88 | .03411 |
| .250 | 12.300 | .6017 | .17 | .10 | .52 | .03 | -.00 | .00 | .00 | .90 | .03271 |
| .250 | 14.350 | .7057 | .20 | .11 | .61 | .03 | -.00 | .00 | .00 | .91 | .03177 |
| .250 | 16.400 | .8107 | .24 | .12 | .70 | .03 | -.00 | .00 | .00 | .92 | .03120 |
| .250 | 18.450 | .9167 | .28 | .13 | .79 | .03 | -.00 | .00 | .00 | .92 | .03092 |
| .250 | 20.500 | 1.0237 | .32 | .14 | .88 | .03 | -.00 | .00 | .00 | .92 | .03092 |
| .250 | 22.550 | 1.1317 | .36 | .15 | .97 | .03 | -.00 | .00 | .00 | .92 | .03120 |
| .250 | 24.600 | 1.2407 | .41 | .16 | 1.06 | .03 | -.00 | .00 | .00 | .92 | .03177 |
| .250 | 26.650 | 1.3507 | .46 | .17 | 1.15 | .03 | -.00 | .00 | .00 | .92 | .03265 |
| .250 | 28.700 | 1.4617 | .51 | .18 | 1.24 | .03 | -.00 | .00 | .00 | .92 | .03385 |
| .250 | 30.750 | 1.5737 | .56 | .19 | 1.33 | .03 | -.00 | .00 | .00 | .92 | .03538 |
| GRADIENT | | .1120 | | .01 | .0903 | .0119 | -.00600 | -.0030 | .0020 | .0000 | .0384 |

0486 B34C9 M7F8 W116E26V8R5X9 (RDX083) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 83/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.18740 | .05820 | .05370 | -.18710 | .04495 | -.00070 | .0630 | -.01400 | .75700 | .05151 |
| .200 | -2.060 | -.10010 | .04990 | .05750 | -.10180 | .04629 | -.00110 | .00530 | -.01100 | .85900 | .05020 |
| .200 | -1.020 | -.06050 | .04585 | .06090 | -.06130 | .04475 | -.00150 | .00360 | -.00700 | 1.01700 | .05000 |
| .200 | .000 | -.01690 | .04520 | .06140 | -.01690 | .04522 | -.00160 | .00300 | -.00600 | 1.98600 | .04749 |
| .200 | 1.020 | .03430 | .04330 | .06160 | .03500 | .04275 | -.00200 | .00310 | -.00500 | .00500 | .04831 |
| .200 | 2.040 | .08200 | .04470 | .06060 | .08350 | .04183 | -.00200 | .00340 | -.00600 | .38500 | .04636 |
| .200 | 4.100 | .17810 | .04810 | .06220 | .18110 | .03527 | -.00080 | .00420 | -.00700 | .52500 | .04605 |
| .200 | 6.160 | .27650 | .05580 | .06500 | .28090 | .02582 | -.00080 | .00490 | -.00700 | .56600 | .04337 |
| .200 | 8.210 | .37770 | .06620 | .06340 | .38330 | .01162 | -.00070 | .00520 | -.00600 | .59100 | .04284 |
| .200 | 10.270 | .48270 | .08250 | .06480 | .48960 | -.00492 | -.00130 | .00500 | -.00400 | .60300 | .04254 |
| .200 | 12.340 | .58780 | .10650 | .06690 | .59700 | -.02166 | -.00300 | .00220 | .00100 | .61000 | .04406 |
| .200 | 14.390 | .70590 | .14170 | .06470 | .71810 | -.03801 | -.00230 | .00230 | .00000 | .61800 | .04620 |
| .200 | 16.440 | .81120 | .18020 | .06310 | .83130 | -.04917 | -.00250 | .00440 | .00100 | .62400 | .04733 |
| .200 | 18.530 | .92500 | .25550 | .05730 | .95820 | -.05186 | -.00550 | .00720 | -.00300 | .63000 | .05138 |
| .200 | 20.580 | 1.02040 | .32400 | .05510 | 1.06920 | -.05533 | -.00020 | .00440 | -.00100 | .63300 | .05416 |
| .200 | 22.650 | 1.13370 | .39750 | .05520 | 1.19940 | -.06986 | .00090 | .00590 | -.00700 | .63500 | .05503 |
| .200 | 24.700 | 1.17990 | .46570 | .05740 | 1.26660 | -.07003 | .00060 | .00500 | -.00300 | .63200 | .06365 |
| .200 | 26.720 | 1.14500 | .50390 | .10430 | 1.24930 | -.06479 | .00020 | .00790 | -.00400 | .62100 | .06779 |
| .200 | 28.710 | .98700 | .49440 | .17000 | 1.10310 | -.04062 | -.00040 | .00550 | .00000 | .59500 | .07402 |
| .200 | 30.740 | .94730 | .52690 | .18050 | 1.08350 | -.03136 | -.00100 | .00310 | -.00100 | .59000 | .07547 |
| | GRADIENT | .04422 | -.00124 | .00095 | .04502 | -.00115 | -.00006 | -.00030 | .00003 | -.06679 | -.00172 |

OA86 B37C9 M7F8 W116E26V8R5X9 (RDX084) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 84/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.18270 | .05860 | .05310 | -.19640 | .04474 | -.00340 | .00660 | -.01600 | .75700 | .05005 |
| .200 | -2.060 | -.10090 | .04880 | .05730 | -.10260 | .04514 | -.00080 | .00540 | -.01300 | .85770 | .04987 |
| .200 | -1.030 | -.05620 | .04680 | .05910 | -.05900 | .04575 | -.00140 | .00430 | -.01000 | 1.02000 | .04704 |
| .200 | .000 | -.01650 | .04350 | .06220 | -.01630 | .04356 | -.00200 | .00300 | -.00600 | -.05600 | .04783 |
| .200 | 1.030 | .03170 | .04350 | .06140 | .03250 | .04294 | -.00180 | .00300 | -.00600 | -.04100 | .04644 |
| .200 | 2.060 | .08220 | .04240 | .06150 | .08370 | .03984 | -.00200 | .00310 | .00600 | .38100 | .04632 |
| .200 | 4.090 | .17650 | .04710 | .06270 | .17920 | .03432 | -.00060 | .00440 | -.00900 | .52300 | .04516 |
| .200 | 6.160 | .27610 | .05415 | .06411 | .28220 | .02236 | -.00080 | .00670 | -.01210 | .56800 | .04487 |
| .200 | 8.210 | .37690 | .06615 | .06620 | .38120 | .00952 | -.00090 | .00510 | -.00930 | .58900 | .04071 |
| .200 | 10.260 | .48020 | .07960 | .06960 | .48910 | -.00645 | -.00150 | .00490 | -.00870 | .60200 | .04451 |
| .200 | 12.340 | .58210 | .09410 | .07410 | .59080 | -.01337 | -.00290 | .00450 | -.00810 | .60900 | .04464 |
| .200 | 14.390 | .68420 | .11010 | .07970 | .69360 | -.02063 | -.00360 | .00350 | -.00650 | .61100 | .04642 |
| .200 | 16.460 | .78610 | .12760 | .08610 | .79510 | -.02884 | -.00280 | .00600 | -.01120 | .60470 | .04771 |
| .200 | 18.520 | .88170 | .14670 | .09320 | .89410 | -.03709 | -.00300 | .00460 | -.00860 | .59190 | .05173 |
| .200 | 20.590 | 1.03810 | .16760 | .10270 | 1.04870 | -.05057 | -.00450 | .00450 | -.00830 | .63410 | .05472 |
| .200 | 22.650 | 1.14500 | .19035 | .11440 | 1.15710 | -.07224 | -.00580 | .00350 | -.00630 | .63770 | .05741 |
| .200 | 24.730 | 1.17640 | .21520 | .12610 | 1.19260 | -.09178 | -.00130 | .00410 | -.00850 | .62460 | .06037 |
| .200 | 26.770 | 1.15240 | .24260 | .13770 | 1.16520 | -.09212 | -.00040 | .00610 | -.01160 | .62200 | .07061 |
| .200 | 28.810 | 1.09450 | .27260 | .14940 | 1.11500 | -.09441 | -.00020 | -.00280 | .00530 | .63700 | .07590 |
| .200 | 30.740 | 1.05410 | .30470 | .16110 | 1.06510 | -.09580 | -.00180 | .00470 | -.00900 | .59070 | .07783 |
| | GRADIENT | .24720 | -.11220 | .04170 | .24750 | -.01460 | .00203 | .00034 | -.00060 | -.07640 | -.01183 |

OA86 B40C9 M7F8 W116E26V8R3X9 (RDX085) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 85/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.19390 | .05260 | .05550 | -.19710 | .03862 | -.00250 | .00560 | -.01100 | .75500 | .04535 |
| .200 | -2.040 | -.11220 | .04370 | .06000 | -.11370 | .03973 | -.00310 | .00360 | -.00700 | .84600 | .04515 |
| .200 | -1.020 | -.06600 | .04240 | .06040 | -.06670 | .04123 | -.00330 | .00340 | -.00600 | .98500 | .04292 |
| .200 | .000 | -.01940 | .03940 | .06180 | -.01940 | .03947 | -.00360 | .00320 | -.00500 | 1.82100 | .04349 |
| .200 | 1.010 | .02720 | .03920 | .06160 | .02790 | .03879 | -.00390 | .00290 | -.00300 | -.15900 | .04207 |
| .200 | 2.050 | .07450 | .03940 | .06210 | .07580 | .03671 | -.00410 | .00230 | -.00200 | .35000 | .04218 |
| .200 | 4.100 | .16610 | .04380 | .06430 | .16880 | .03181 | -.00440 | .00180 | .00000 | .51130 | .04021 |
| .200 | 6.160 | .26300 | .04980 | .06630 | .26680 | .02129 | -.00510 | .00140 | .00200 | .56000 | .03960 |
| .200 | 8.220 | .36120 | .05870 | .06720 | .36590 | .00644 | -.00430 | .00220 | .00600 | .58400 | .03816 |
| .200 | 10.280 | .46990 | .07310 | .06690 | .47540 | -.01195 | -.00380 | .00280 | .00800 | .60000 | .03833 |
| .200 | 12.350 | .57380 | .09550 | .06710 | .58100 | -.02947 | -.00420 | .00160 | .00200 | .60900 | .03818 |
| .200 | 14.400 | .68970 | .12810 | .06520 | .69990 | -.04740 | -.00350 | .00140 | .00300 | .61700 | .04085 |
| .200 | 16.470 | .80640 | .17550 | .06130 | .82310 | -.06835 | -.00410 | .00230 | .00500 | .62400 | .04367 |
| .200 | 18.530 | .92130 | .24150 | .05300 | .95030 | -.08395 | -.00120 | .00510 | -.00300 | .63100 | .04871 |
| .200 | 20.590 | 1.04510 | .31620 | .04060 | 1.08350 | -.07158 | -.00940 | .00130 | .00000 | .63800 | .05162 |
| .200 | 22.660 | 1.15710 | .39460 | .03430 | 1.21980 | -.08170 | .00060 | .00390 | -.00500 | .64100 | .05485 |
| .200 | 24.710 | 1.20540 | .46460 | .04910 | 1.28930 | -.08188 | -.00110 | .00130 | .00000 | .63800 | .05972 |
| .200 | 26.750 | 1.19700 | .51310 | .08290 | 1.29990 | -.08061 | -.00010 | .00260 | -.00300 | .62800 | .07085 |
| .200 | 28.740 | .99500 | .49540 | .15570 | 1.11060 | -.04420 | -.00010 | .00150 | -.00400 | .60000 | .07714 |
| .200 | 30.740 | .96130 | .52670 | .17110 | 1.08550 | -.03867 | -.00140 | .00370 | -.00300 | .59400 | .08016 |
| | GRADIENT | .04429 | -.00109 | .00094 | .04506 | -.00083 | -.00024 | -.00043 | .00132 | -.07194 | -.00064 |

OA86 B40C9 M7F8 W116E26V8R5X9 (RDX086) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 86/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .02520 | .03370 | .03670 | .02520 | .03371 | -.01980 | .00860 | .18600 | .11600 | .04773 |
| .200 | -5.020 | -.00660 | .03850 | .05240 | -.00660 | .03852 | -.01050 | .00570 | .08900 | 3.5 00 | .03445 |
| .200 | -.010 | -.01540 | .03850 | .06020 | -.01540 | .03858 | -.00380 | .00140 | .00000 | 2.78700 | .04715 |
| .200 | 5.000 | -.01320 | .03860 | .05960 | -.01320 | .03863 | .00210 | -.00320 | -.08400 | 2.31400 | .04593 |
| .200 | 10.030 | .00450 | .02740 | .05057 | .00450 | .02742 | .01240 | -.00620 | -.18100 | -3.45700 | .04874 |
| | GRADIENT | -.00066 | .00001 | .00072 | -.00066 | .00001 | .00126 | -.00089 | -.01727 | -.12485 | .00006 |

0A86 B40C9 M7F8 W116E26V8R5X9 (RDX087) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF | = | 4.4119 SQ.FT. | XMRP | = | 43.5974 INCHES |
| LREF | = | 19.2480 INCHES | YMRP | = | .0000 INCHES |
| BREF | = | 37.9671 INCHES | ZMRP | = | 15.1875 INCHES |
| SCALE | = | .1408 SCALE | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA | = | 5.000 | BDFLAP = -12.000 |
| ELEVON | = | 5.000 | AILRON = .000 |
| RUDDER | = | .000 | SPOBRK = 25.000 |

RUN NO. 87/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2*** | -1.*** | .2369* | .*549* | .*43** | .2391* | .001*52 | -.02180 | .*139* | .196000 | .576 0 | .*4531 |
| .2** | -5.*** | .2261 | .*414* | .***7 | .2259* | .*2101 | -.0*19* | .*62** | .***** | 55**** | .*4217 |
| .2** | -1.*** | .22*5 | .*43** | .*0** | .2255* | .*241 | -.***43* | .*14** | .*5** | 542* | 4.75 |
| .2** | 0.*** | .2219* | .*32* | .*24* | .2247* | .*2117 | .***** | -.***32 | -.*47** | .525** | .*65 |
| .2** | 1.*** | .2177* | .*3** | .*23* | .2202* | .*2*04 | .*159* | -.***** | -.*343** | .556** | .597 |
| | GRADIENT | -.***42 | -.***2 | .*461 | - .*42 | .*42 | .*133 | -.*1*5 | -.*1*55 | - 113 | - 1.0 |

[illegible] 0A86 B40C9 M7F8 W116E26V8R5X9 [illegible] 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF | = | 4.4119 SQ.FT. | XMRP | = | 43.5974 INCHES |
| LREF | = | 19.2480 INCHES | YMRP | = | .0000 INCHES |
| BREF | = | 37.9671 INCHES | ZMRP | = | 15.1875 INCHES |
| SCALE | = | .1408 SCALE | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA | = | 5.000 | BDFLAP = -12.000 |
| ELEVON | = | 5.000 | AILRON = .000 |
| RUDDER | = | .000 | SPOBRK = 25.000 |

[illegible] 87/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2*** | -1.*** | .2369* | .*549* | .*43** | .2391* | .001*52 | -.02180 | .*139* | .196000 | .576 0 | .*4531 |
| .2** | -5.*** | .2261 | .*414* | .***7 | .2259* | .*2101 | -.0*19* | .*62** | .***** | 55**** | .*4217 |
| .2** | -1.*** | .22*5 | .*43** | .*0** | .2255* | .*241 | -.***43* | .*14** | .*5** | 542* | 4.75 |
| .2** | 0.*** | .2219* | .*32* | .*24* | .2247* | .*2117 | .***** | -.***32 | -.*47** | .525** | .*65 |
| .2** | 1.*** | .2177* | .*3** | .*23* | .2202* | .*2*04 | .*159* | -.***** | -.*343** | .556** | .597 |
| | GRADIENT | -.***42 | -.***2 | .*461 | - .*42 | .*42 | .*133 | -.*1*5 | -.*1*55 | - 113 | - 1.0 |

OA86 B40C9 M7F8 W116E26V8R5X9 (RDX089) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BOFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 89/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CE. | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .76370 | .15420 | .04090 | .77720 | -.05461 | -.02090 | . 2390 | .20000 | .63200 | .04513 |
| .200 | -5.010 | .75080 | .15470 | .05630 | .76490 | -.05062 | -.00890 | .01490 | .09500 | .62500 | .04137 |
| .200 | .000 | .75430 | .14950 | .06640 | .76790 | -.05660 | -.00490 | .00020 | .01500 | .62000 | .04207 |
| .200 | 5.000 | .75660 | .14570 | .06580 | .77010 | -.06088 | .00410 | -.01100 | -.07900 | .62000 | .04131 |
| .200 | 10.010 | .76830 | .14360 | .04930 | .78180 | -.06610 | .01620 | -.02410 | -.18240 | .62800 | .04565 |
| | GRADIENT | .00758 | -.00090 | .00095 | .00832 | -.00103 | .00130 | -.00250 | -.01738 | -.00150 | -.00041 |

OA86 B41C9 M7F3 W116E26V8R5X9 (RDX090) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .00 | BOFLAP = | -12.000 |
| ELEVON = | 5.00 | AILRON = | .00 |
| RUDDER = | .00 | SPDBRK = | 25.000 |

RUN NO. 90/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CE. | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.18910 | .05410 | .05400 | -.19250 | .04045 | -.00210 | .00540 | -.01000 | .75500 | .04484 |
| .200 | -2.080 | -.10700 | .04680 | .05630 | -.10860 | .04294 | -.00270 | .00360 | -.00700 | .84900 | .04258 |
| .200 | -1.020 | -.06130 | .04360 | .05950 | -.06210 | .04253 | -.00290 | 0350 | -.00600 | 1.00400 | .04333 |
| .200 | .000 | -.01570 | .04180 | .06020 | -.01570 | .04183 | -.00310 | .00340 | -.00500 | 2.06000 | .04211 |
| .200 | 1.020 | .03100 | .04100 | .06160 | .03170 | .04056 | -.00340 | .00310 | -.00500 | -.05400 | .04195 |
| .200 | 2.050 | .07980 | .04120 | .06140 | .08120 | .03832 | -.00390 | .00220 | -.00140 | .37300 | .04188 |
| .200 | 4.090 | .17510 | .04370 | .06340 | .17300 | .03359 | -.00370 | .00210 | .00000 | .51700 | .04000 |
| .200 | 6.160 | .26650 | .05220 | .06610 | .27160 | .02529 | -.00400 | .00170 | .00110 | .56200 | .03906 |
| .200 | 8.220 | .36830 | .06140 | .06640 | .37330 | .00812 | -.00340 | .00260 | .00490 | .58000 | .03698 |
| .200 | 10.280 | .47370 | .07620 | .06630 | .47970 | -.00755 | -.00330 | .00220 | .00260 | .60100 | .03767 |
| .200 | 12.340 | .57870 | .09660 | .06760 | .58640 | -.0271 | -.00420 | .00120 | .00400 | .60300 | .03834 |
| .200 | 14.470 | .69030 | .13290 | .06540 | .70150 | -.04364 | -.00320 | .00120 | .00300 | .61700 | .04137 |
| .200 | 16.450 | .81070 | .17650 | .06150 | .82810 | -.05844 | -.00340 | .00230 | .00600 | .62400 | .04451 |
| .200 | 18.530 | .92390 | .24770 | .05330 | .95480 | -.06865 | .00210 | .00340 | -.00200 | .63100 | .04733 |
| .200 | 20.600 | 1.04830 | .32260 | .04180 | 1.09470 | -.06685 | .00440 | .00470 | .00100 | .63600 | .05158 |
| .200 | 22.660 | 1.15920 | .39790 | .03090 | 1.22300 | -.07944 | .00160 | .00180 | -.00300 | .64000 | .05513 |
| .200 | 24.710 | 1.19220 | .44440 | .02540 | 1.27710 | -.07651 | -.00130 | .00160 | .00100 | .63600 | .05751 |
| .200 | 26.750 | 1.17820 | .51150 | .02030 | 1.26230 | -.07353 | -.00174 | .00310 | -.00200 | .62600 | .06738 |
| .200 | 28.710 | 1.08440 | .4967 | .1604 | 1.11950 | -.04684 | -.00151 | .00120 | .00300 | .59900 | .07713 |
| .200 | 30.740 | .94810 | .52330 | .17770 | 1.06270 | -.03443 | -.00250 | .00360 | -.00200 | .59100 | .07791 |
| | GRADIENT | .04423 | -.00110 | .01104 | .04499 | -.00491 | -.00022 | -.00038 | .00123 | -.00864 | -.00051 |

OA66 841C9 M7F8 W116E26V8R5X9 (RDXC91) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 45.5974 INCHES |
| LREF | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 39.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0435 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BOFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBRK = | 25.000 |

RUN NO. 917 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2** | 1 .** | .2685 | .03550 | .0363* | .2680 | .03558 | -.0196* | .**** | .18**** | .154** | .4644 |
| .2** | -5.** | -.**** | .**** | .**** | -.**** | .**** | -.**** | .**** | -.**** | ****.* | .**** |
| .2** | -1.** | -.**** | .**** | .**** | -.**** | .**** | -.**** | .**** | -.**** | ****.* | .**** |
| .2** | .** | .**** | .**** | .**** | .**** | .**** | -.**** | .**** | -.**** | ****.* | .**** |
| .2** | 5.** | -.**** | .**** | .**** | -.**** | .**** | -.**** | -.**** | -.**** | ****.* | .**** |
| .2** | 10.** | .**** | .**** | .**** | .**** | .**** | -.**** | -.**** | -.**** | ****.* | .**** |
| | GRADIENT | -.**** | -.**** | .**** | -.**** | -.**** | .**** | .**** | -.**** | -.**** | .**** |

RUN NO. 917 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2** | .9** | .2410 | .0375 | .0464 | .2405 | .0378 | .0210 | .**** | .1**** | ****.* | .4471 |
| .2** | -5.** | .**** | .**** | .**** | .**** | .**** | -.**** | .**** | .**** | ****.* | .4169 |
| .2** | .** | .**** | .**** | .**** | .**** | .**** | -.**** | .**** | .**** | ****.* | .**** |
| .2** | 5.** | .2274 | .0431 | .**** | .**** | .2159 | .**** | .**** | .**** | ****.* | .4185 |
| .2** | 10.** | .**** | .**** | .**** | .**** | .**** | .**** | .**** | .**** | ****.* | .4445 |
| | GRADIENT | -.**** | -.**** | .**** | -.**** | -.**** | .**** | .**** | -.**** | -.**** | .**** |

OA86 B41C9 M7F8 W116E26V8R5X9 (RDx093) ( 08 JAN 74 )

REFERENCE DATA

BREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 23.000

RUN NO. 93/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .49170 | .06720 | .05040 | .49580 | -.02162 | -.02470 | .01540 | .20800 | .61400 | .00599 |
| .200 | -5.020 | .48300 | .07290 | .05670 | .48830 | -.01444 | -.01260 | .01070 | .10100 | .60900 | .00952 |
| .200 | -.010 | .47720 | .07380 | .06820 | .48270 | -.01249 | -.00420 | .00650 | .00900 | .60000 | .03795 |
| .200 | 4.990 | .47670 | .06870 | .06740 | .48130 | -.01739 | .00260 | -.01170 | -.07500 | .60000 | .03959 |
| .200 | 10.020 | .49410 | .06000 | .05770 | .49690 | -.02918 | .01840 | -.01680 | -.18800 | .60900 | .04426 |
| | GRADIENT | -.00063 | -.00042 | .00107 | -.00070 | -.00029 | .00152 | -.00217 | -.01758 | -.00090 | .00001 |

OA86 B41C9 M7F8 W116E26V8R5X9 (RDx094) ( 08 JAN 74 )

REFERENCE DATA

BREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 94/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .78590 | .15620 | .03990 | .77990 | -.05316 | -.02090 | .02350 | .20300 | .63300 | .04553 |
| .200 | -5.030 | .75330 | .13790 | .05520 | .76820 | -.04821 | -.00870 | .01370 | .09600 | .62500 | .04141 |
| .200 | -.030 | .75510 | .13250 | .06500 | .76850 | -.05372 | -.00510 | .00830 | .01640 | .62100 | .04158 |
| .200 | 4.980 | .75710 | .14940 | .06390 | .76960 | -.057 | .00300 | -.01170 | -.07600 | .62100 | .04071 |
| .200 | 10.020 | .77040 | .14480 | .04820 | .78120 | -.06536 | .01750 | -.02380 | -.18400 | .62900 | .04456 |
| | GRADIENT | .00036 | -.00085 | .00087 | .00014 | -.00090 | .00117 | -.00254 | -.01718 | -.00040 | -.00007 |

0486 B41C9 MTF8 W116E26V8R5X9 (RDX095) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4 19 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2465 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1675 INCHES
SCALE = .04[illegible] SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 95/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .240 | -4.140 | -.2718[illegible] | .[illegible] | .[illegible] | -.27550 | .04195 | -.00210 | .04590 | -.011140 | .772[illegible] | .04121 |
| .240 | -2.[illegible] | -.1918[illegible] | .[illegible] | .[illegible] | -.19380 | .04447 | -.00287 | .04556 | -.00[illegible] | .69[illegible] | .04037 |
| .240 | -1.[illegible] | -.1476[illegible] | .04[illegible] | .[illegible] | .14840 | .4558 | -.[illegible] | .[illegible] | -.[illegible] | .[illegible] | .03785 |
| .240 | -.[illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | [illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | 2.[illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | 4.[illegible] | [illegible] | [illegible] | .[illegible] | [illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] |
| .240 | 6.14[illegible] | .1[illegible] | [illegible] | .[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | .[illegible] | [illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | [illegible] | .[illegible] | [illegible] | [illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | 12.[illegible] | .[illegible] | [illegible] | [illegible] | .[illegible] | -.[illegible] | [illegible] | .[illegible] | .[illegible] | .[illegible] | .[illegible] |
| .240 | 14.[illegible] | .[illegible] | [illegible] | [illegible] | .[illegible] | -.[illegible] | [illegible] | .[illegible] | [illegible] | [illegible] | .[illegible] |
| .240 | 16.[illegible] | [illegible] | [illegible] | [illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | 22.6[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] |
| .240 | 24.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | .[illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | .[illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | 28.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | .[illegible] |
| .240 | 30.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] |
| | GRAD EXT | [illegible] | [illegible] | [illegible] | [illegible] | -.[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

0486 B41C9 MTF8 W116E26V8R5X9 (RDX095) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.411[illegible] SQ.FT. XMRP = 43.[illegible] INCHES
LREF = 19.246[illegible] INCHES YMRP = .000[illegible] INCHES
BREF = 37.9671 INCHES ZMRP = 15.1[illegible] INCHES
SCALE = .04[illegible] SCALE

PARAMETRIC DATA

ALPHA = [illegible] BDFLAP = [illegible]
ELEVON = [illegible] AILRON = [illegible]
RUDDER = [illegible] SPDBRK = [illegible]

RUN NO. 96/ [illegible] RN/L = 1.42 GRADIENT INTERVAL = 6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | AF | AN | A | T | A | A |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| .240 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | GRAD EXT | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

OA86 B41C9 M7F8 W118E26V8R5X9 (RDX097) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 97/ 0 RN/L = 1.·2 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .16170 | .03300 | .08550 | .16400 | .01845 | -.02080 | .01180 | .19300 | .45900 | .04256 |
| .200 | -5.010 | .14490 | .03730 | .09830 | .14770 | .02430 | -.01140 | .00530 | .09900 | .40700 | .03951 |
| .200 | -.010 | .14280 | .03950 | .10280 | .14580 | .02672 | -.00260 | .00300 | .00000 | .39200 | .03679 |
| .200 | 5.000 | .14590 | .03660 | .10210 | .14860 | .02355 | .00370 | -.00170 | -.09000 | .39900 | .03869 |
| .200 | 10.020 | .16130 | .02740 | .09380 | .16310 | .01298 | .01440 | -.00870 | -.18700 | .44000 | .04274 |
| | GRADIENT | .00010 | -.00007 | .00038 | .00009 | -.00008 | .00151 | -.00070 | -.01888 | -.00080 | -.00008 |

OA86 B41C9 M7F8 W118E26V8R5X9 (RDX098) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 98/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .40970 | .05660 | .08720 | .41320 | -.01717 | -.02420 | .01450 | .20500 | .57400 | .04271 |
| .200 | -5.020 | .40030 | .06070 | .09460 | .40470 | -.01150 | -.01210 | .01060 | .09700 | .56600 | .03742 |
| .200 | -.020 | .39410 | .06300 | .10430 | .39900 | -.00812 | -.00390 | .00200 | .00700 | .55500 | .03362 |
| .200 | 4.980 | .39530 | .05770 | .10480 | .39930 | -.01353 | .00250 | -.00880 | -.07500 | .55500 | .03593 |
| .200 | 10.030 | .41300 | .04750 | .09510 | .41490 | -.02668 | .01800 | -.01430 | -.18600 | .56700 | .04185 |
| | GRADIENT | -.00050 | -.00030 | .00102 | -.00054 | -.00020 | .00146 | -.00194 | -.01720 | -.00110 | -.00015 |

0A86 B41C9 M7F8 W118E26V8R5X9 (RDX099) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 99/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .68760 | .13650 | .07840 | .69920 | -.05103 | -.02110 | .02110 | .20200 | .61000 | .04163 |
| .200 | -5.010 | .66940 | .13250 | .09640 | .68060 | -.04987 | -.01100 | .01260 | .09800 | .59900 | .03823 |
| .200 | -.020 | .67080 | .13370 | .10390 | .68230 | -.04899 | -.00470 | .00030 | .01300 | .59600 | .03814 |
| .200 | 4.990 | .67010 | .12800 | .10360 | .68010 | -.05430 | .00380 | -.01000 | -.07700 | .59600 | .03856 |
| .200 | 10.020 | .68520 | .12400 | .08760 | .69350 | -.06227 | .01810 | -.02150 | -.18500 | .60500 | .04212 |
| | GRADIENT | .00007 | -.00045 | .00072 | -.00005 | -.00044 | .00148 | -.00226 | -.01750 | -.00030 | .00004 |

0A86 B40C9 M7F8 W118E26V8R5X9 (RDx100) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 100/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.27470 | .06100 | .09170 | -.27840 | .04096 | -.00260 | .00560 | -.01100 | .77300 | .04156 |
| .200 | -2.100 | -.19120 | .04990 | .09600 | -.19290 | .04289 | -.00290 | .00360 | -.00800 | .83500 | .04085 |
| .200 | -1.060 | -.15010 | .04550 | .09890 | -.15090 | .04270 | -.00310 | .00310 | -.00700 | .89300 | .04094 |
| .200 | -.040 | -.10110 | .04300 | .09940 | -.10110 | .04292 | -.00340 | .00310 | -.00500 | 1.01400 | .03940 |
| .200 | .970 | -.05410 | .04000 | .10040 | -.05340 | .04092 | -.00350 | .00301 | -.00400 | 1.34300 | .03909 |
| .200 | 2.000 | -.00770 | .03770 | .10100 | -.00630 | .03798 | -.00340 | .00320 | -.00400 | 6.46600 | .03964 |
| .200 | 4.060 | .09050 | .03720 | .10140 | .09290 | .03076 | -.00370 | .00290 | -.00200 | .25000 | .03816 |
| .200 | 6.120 | .19670 | .04330 | .10250 | .19020 | .02321 | -.00270 | .00400 | -.00500 | .45300 | .03553 |
| .200 | 8.180 | .28410 | .05110 | .10480 | .28850 | .01016 | -.00320 | .00360 | -.00100 | .51800 | .03472 |
| .200 | 10.240 | .39000 | .06290 | .10590 | .39500 | -.00747 | -.00350 | .00330 | .00000 | .55300 | .03514 |
| .200 | 12.300 | .49540 | .08210 | .10720 | .50150 | -.02529 | -.00400 | .00220 | .00200 | .57300 | .03657 |
| .200 | 14.360 | .60810 | .11200 | .10590 | .61690 | -.04231 | -.00330 | .00200 | .00100 | .58800 | .03879 |
| .200 | 16.420 | .72460 | .15320 | .10440 | .73830 | -.05782 | -.00330 | .00260 | .00200 | .60070 | .04175 |
| .200 | 18.490 | .83980 | .21900 | .09410 | .86590 | -.05879 | .00130 | .00480 | -.00100 | .61200 | .04545 |
| .200 | 20.550 | .96680 | .28540 | .08540 | 1.00550 | -.07221 | .00120 | .00260 | -.00200 | .62000 | .04868 |
| .200 | 22.620 | 1.07050 | .35860 | .08260 | 1.12600 | -.08081 | .00100 | .00210 | -.00100 | .62500 | .05257 |
| .200 | 24.670 | 1.12690 | .42860 | .09330 | 1.20290 | -.08104 | -.00120 | .00170 | .00300 | .62300 | .05639 |
| .200 | 26.720 | 1.14820 | .48860 | .11510 | 1.24530 | -.07991 | -.00150 | .00290 | .00300 | .61800 | .06004 |
| .200 | 28.700 | .99480 | .48470 | .17480 | 1.10880 | -.05454 | -.00020 | .00450 | -.00200 | .59400 | .07192 |
| .200 | 30.720 | .92760 | .50510 | .19740 | 1.05550 | -.03971 | -.00230 | .00310 | .00100 | .53300 | .07601 |
| | GRADIENT | .04471 | -.00291 | .00117 | .04545 | -.00122 | -.00013 | -.00027 | .00103 | .20278 | -.00042 |

OA86 B40C9 M7F8 W118E26V8R5X9 (RDX101) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 101/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.05870 | .03580 | .07610 | -.05870 | .03582 | -.01930 | .00850 | .18300 | 1.12900 | .04506 |
| .200 | -5.010 | -.08730 | .04130 | .09030 | -.08730 | .04135 | -.01060 | .00560 | .08900 | 1.03200 | .04058 |
| .200 | -.010 | -.09920 | .04190 | .10080 | -.09920 | .04186 | -.00390 | .00100 | .00000 | 1.02600 | .03954 |
| .200 | 4.990 | -.09240 | .04100 | .09760 | -.09240 | .04102 | .00200 | -.00250 | -.08200 | 1.04000 | .04135 |
| .200 | 10.020 | -.07060 | .02960 | .08670 | -.07060 | .02959 | .01230 | -.00490 | -.17900 | 1.10400 | .04618 |
| | GRADIENT | -.00051 | -.00003 | .00073 | -.00051 | -.00003 | .00126 | -.00081 | -.01710 | .00080 | .00008 |

OA86 B40C9 M7F8 W118E26V8R5X9 (RDX102) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 102/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .15880 | .03170 | .08730 | .16100 | .01750 | -.02090 | .01150 | .19200 | .45200 | .04329 |
| .200 | -5.020 | .14130 | .03700 | .09960 | .14400 | .02435 | -.01120 | .00530 | .09800 | .39700 | .03985 |
| .200 | .000 | .14400 | .03770 | .10360 | .14680 | .02483 | -.00360 | .00240 | .00200 | .39200 | .03690 |
| .200 | 4.990 | .14400 | .03560 | .10420 | .14660 | .02268 | .00360 | -.00170 | -.08900 | .39000 | .03943 |
| .200 | 10.030 | .15830 | .02650 | .09540 | .16010 | .01231 | .01430 | -.00910 | -.18500 | .43200 | .04342 |
| | GRADIENT | .00027 | -.00014 | .00046 | .00026 | -.00017 | .00148 | -.00070 | -.01868 | -.00070 | -.00014 |

0486 B40C9 M7F8 W118E26V8R5X9 (RDX103) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 103/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .40790 | .05520 | .08820 | .41120 | -.01816 | -.02440 | .01450 | .20300 | .57300 | .04389 |
| .200 | -5.020 | .39730 | .06070 | .09650 | .40180 | -.01082 | -.01110 | .01110 | .09600 | .56300 | .03774 |
| .200 | -.020 | .39420 | .06040 | .10660 | .39870 | -.01060 | -.00390 | .00140 | .00700 | .55300 | .03536 |
| .200 | 5.000 | .39310 | .05570 | .10750 | .39680 | -.01506 | .00250 | -.00940 | -.07600 | .55200 | .03736 |
| .200 | 10.010 | .41030 | .04610 | .09700 | .41200 | -.02759 | .01870 | -.01400 | -.18700 | .56500 | .04233 |
| | GRADIENT | -.00042 | -.00050 | .00110 | -.00050 | -.00042 | .00136 | -.00205 | -.01717 | -.00110 | -.00004 |

0486 B40C9 M7F8 W118E26V8R5X9 (RDX104) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4113 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 104/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .68560 | .13490 | .07920 | .69680 | -.05201 | -.02130 | .02160 | .19900 | .61000 | .04170 |
| .200 | -5.020 | .66780 | .13070 | .09680 | .67850 | -.05123 | -.01130 | .01290 | .09800 | .59900 | .03896 |
| .200 | -.010 | .66860 | .13060 | .10580 | .67930 | -.05151 | -.00440 | .00080 | .01300 | .59400 | .03958 |
| .200 | 5.000 | .66960 | .12600 | .10460 | .67910 | -.05641 | .00410 | -.01010 | -.07700 | .59500 | .03902 |
| .200 | 10.020 | .68530 | .12280 | .08830 | .69390 | -.06380 | .01850 | -.02100 | -.18500 | .60500 | .04315 |
| | GRADIENT | .00018 | -.00047 | .00078 | .00006 | -.00052 | .00154 | -.00230 | -.01747 | -.00040 | .00001 |

0A86 850C9 M7F8 W118E26V8R5X9 (RDX105) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 105/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.27830 | .06050 | .09140 | -.28000 | .04043 | -.00210 | .00510 | -.01100 | .77200 | .04263 |
| .200 | -2.100 | -.19640 | .04990 | .09660 | -.19810 | .04270 | -.00240 | .00330 | -.00800 | .83100 | .04215 |
| .200 | -1.060 | -.15400 | .04530 | .09920 | -.15480 | .04243 | -.00240 | .00320 | -.00900 | .88800 | .04048 |
| .200 | -.030 | -.10820 | .04120 | .10150 | -.10820 | .04122 | -.00270 | .00320 | -.00700 | .99700 | .04076 |
| .200 | .980 | -.05930 | .03890 | .10150 | -.05870 | .04001 | -.00310 | .00320 | -.00600 | 1.28800 | .03984 |
| .200 | 2.010 | -.01290 | .03700 | .10220 | -.01160 | .03749 | -.00300 | .00330 | -.00600 | 3.87600 | .04015 |
| .200 | 4.070 | .08610 | .03660 | .10280 | .08840 | .03043 | -.00310 | .00310 | -.00300 | .22400 | .03814 |
| .200 | 6.130 | .18540 | .03970 | .10370 | .18860 | .01969 | -.00350 | .00100 | -.00290 | .44900 | .03710 |
| .200 | 8.180 | .28550 | .04720 | .10460 | .28930 | .00612 | -.00290 | .00360 | -.00200 | .51900 | .03583 |
| .200 | 10.230 | .38860 | .05920 | .10670 | .39290 | -.01073 | -.00310 | .00310 | .00000 | .55200 | .03677 |
| .200 | 12.310 | .49200 | .07990 | .10880 | .49770 | -.02684 | -.00310 | .00260 | .00000 | .57100 | .03730 |
| .200 | 14.360 | .60510 | .10930 | .10650 | .61330 | -.04418 | -.00290 | .00230 | .00100 | .58800 | .03996 |
| .200 | 16.420 | .72050 | .13240 | 10320 | .73420 | -.05757 | -.00290 | .00350 | .00200 | .60000 | .04147 |
| .200 | 18.500 | .83680 | .21600 | .09500 | .86210 | -.06082 | .00210 | .00570 | -.00500 | .61100 | .04594 |
| .200 | 20.560 | .96060 | .28340 | .08450 | .99900 | -.07200 | .00110 | .00200 | -.00100 | .62100 | .04850 |
| .200 | 22.620 | 1.06710 | .35510 | .08290 | 1.12160 | -.08280 | .00130 | .00150 | -.00300 | .62400 | .05235 |
| .200 | 24.680 | 1.12340 | .42460 | .09160 | 1.19810 | -.08341 | -.00010 | .00120 | .00000 | .62400 | .05600 |
| .200 | 26.730 | 1.15090 | .48480 | .11360 | 1.24590 | -.08468 | .00000 | .00300 | -.00100 | .61800 | .06629 |
| .200 | 28.730 | 1.03010 | .49270 | .17060 | 1.14010 | -.06306 | -.00010 | .02150 | -.01700 | .59700 | .07546 |
| .200 | 30.730 | .92220 | .50430 | .19650 | 1.05040 | -.03794 | .00000 | .00240 | -.00200 | .58300 | .07219 |
| | GRADIENT | .04430 | -.00296 | .00137 | .04503 | -.00122 | -.00014 | -.00019 | .00090 | .09929 | -.00052 |

OA86 B42C9 M7F8 W118E26V8R5X9 (RDX106) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 106/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.160 | -.28040 | .06080 | .09470 | -.28410 | .04031 | -.00220 | .00470 | -.00900 | .77400 | .04379 |
| .200 | -2.090 | -.19800 | .04980 | .09950 | -.19970 | .04254 | -.00250 | .00280 | -.00700 | .83500 | .04303 |
| .200 | -1.060 | -.15640 | .04650 | .10070 | -.15730 | .04368 | -.00240 | .00220 | -.00700 | .88700 | .04096 |
| .200 | -.040 | -.10960 | .04170 | .10340 | -.10960 | .04164 | -.00280 | .00290 | -.00600 | .99900 | .04229 |
| .200 | .980 | -.06130 | .03980 | .10300 | -.06060 | .04085 | -.00300 | .00300 | -.00500 | 1.27700 | .04101 |
| .200 | 2.010 | -.01200 | .03830 | .10330 | -.01070 | .03877 | -.00320 | .00260 | -.00300 | 4.20400 | .03975 |
| .200 | 4.050 | .08320 | .03750 | .10410 | .08560 | .03157 | -.00310 | .00300 | -.00300 | .20400 | .03904 |
| .200 | 6.110 | .18490 | .04030 | .10500 | .18810 | .02045 | -.00340 | .00310 | -.00100 | .44600 | .03798 |
| .200 | 8.180 | .28250 | .04800 | .10730 | .28640 | .00731 | -.00350 | .00290 | .00000 | .51400 | .03749 |
| .200 | 10.220 | .38560 | .06090 | .10780 | .39030 | -.00853 | -.00310 | .00300 | .00000 | .55000 | .03721 |
| .200 | 12.290 | .48990 | .08090 | .10930 | .49590 | -.02128 | -.00320 | .00210 | .00100 | .57000 | .03773 |
| .200 | 14.360 | .60190 | .11100 | .10810 | .61060 | -.04171 | -.00290 | .00190 | .00100 | .58600 | .03919 |
| .200 | 16.410 | .71660 | .15330 | .10510 | .73080 | -.05535 | -.00300 | .00320 | .00200 | .59900 | .04117 |
| .200 | 18.490 | .83330 | .21700 | .09660 | .85920 | -.05852 | .00210 | .00510 | -.00400 | .61000 | .04479 |
| .200 | 20.540 | .95460 | .28410 | .08850 | .99360 | -.06902 | .00120 | .00150 | -.00100 | .61900 | .04749 |
| .200 | 22.610 | 1.05480 | .35450 | .08600 | 1.11000 | -.07828 | .00180 | .00080 | -.00300 | .62300 | .04992 |
| .200 | 24.670 | 1.12120 | .42460 | .09560 | 1.19610 | -.08228 | .00120 | .00150 | -.00100 | .62200 | .05601 |
| .200 | 26.720 | 1.14130 | .48430 | .11630 | 1.23720 | -.08057 | .00040 | .00200 | .00000 | .61700 | .06371 |
| .200 | 28.710 | 1.03070 | .49670 | .16780 | 1.14270 | -.05956 | -.00020 | .02000 | -.01700 | .59800 | .07132 |
| .200 | 30.720 | .93080 | .50890 | .19810 | 1.06010 | -.03811 | -.00070 | .00330 | -.00100 | .58300 | .07554 |
| | GRADIENT | .04460 | -.00286 | .00110 | .04534 | -.00105 | -.00013 | -.00016 | .00079 | .11291 | -.00059 |

OA86 B43C9 M7F8 W118E26V8R5X9 (RDX107) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 107/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XC /L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.160 | -.27910 | .06210 | .09350 | -.28260 | .04175 | -.00220 | .00460 | -.01000 | .77300 | .04398 |
| .200 | -2.110 | -.20060 | .05020 | .09930 | -.20230 | .04263 | -.00220 | .00290 | -.00800 | .83200 | .04322 |
| .200 | -1.080 | -.15580 | .04590 | .10110 | -.15670 | .04298 | -.00200 | .00300 | -.00900 | .88900 | .04305 |
| .200 | -.050 | -.10940 | .04280 | .10120 | -.10940 | .04275 | -.00250 | .00300 | -.00800 | .99200 | .04197 |
| .200 | .970 | -.06160 | .03980 | .10190 | -.06090 | .04093 | -.00260 | .00220 | -.00700 | 1.26700 | .04192 |
| .200 | 2.000 | -.01410 | .03840 | .10240 | -.01280 | .03891 | -.00270 | .00300 | -.00600 | 3.59500 | .04172 |
| .200 | 4.050 | .08250 | .03690 | .10320 | .08490 | .03107 | -.00270 | .00300 | -.00500 | .20400 | .04013 |
| .200 | 6.110 | .18260 | .04070 | .10300 | .18590 | .02102 | -.00330 | .00320 | -.00300 | .44800 | .03854 |
| .200 | 8.170 | .28300 | .04880 | .10340 | .28700 | .00810 | -.00220 | .00340 | -.00400 | .51900 | .03689 |
| .200 | 10.220 | .38490 | .06150 | .10440 | .38970 | -.00777 | -.00210 | .00350 | -.00450 | .55300 | .03632 |
| .200 | 12.290 | .48820 | .07970 | .10710 | .49400 | -.02611 | -.00270 | .00270 | -.00100 | .57200 | .03846 |
| .200 | 14.350 | .59990 | .11020 | .10590 | .60450 | -.04195 | -.00260 | .00210 | .00000 | .58800 | .03863 |
| .200 | 16.390 | .71520 | .15140 | .10330 | .72890 | -.05663 | -.00310 | .00310 | .00300 | .59900 | .04189 |
| .200 | 18.490 | .82640 | .21450 | .09630 | .85180 | -.05864 | .00230 | .00250 | -.00600 | .61000 | .04408 |
| .200 | 20.540 | .95280 | .27920 | .08770 | .99020 | -.07288 | .00230 | .00250 | -.00500 | .61900 | .04781 |
| .200 | 22.610 | 1.05310 | .35160 | .08480 | 1.10730 | -.08041 | .00220 | .00160 | -.00700 | .62300 | .04975 |
| .200 | 24.660 | 1.11550 | .42230 | .09080 | 1.16960 | -.08179 | .00060 | .00180 | -.00100 | .62400 | .05023 |
| .200 | 26.710 | 1.14630 | .48390 | .11110 | 1.24150 | -.08294 | .00030 | .00200 | -.00200 | .61300 | .06054 |
| .200 | 28.720 | 1.04440 | .49700 | .16560 | 1.15480 | -.06598 | -.00050 | .00020 | -.00100 | .59900 | .07480 |
| .200 | 30.720 | .93030 | .50450 | .19460 | 1.05750 | -.04165 | -.00170 | .00540 | -.00500 | .58400 | .07455 |
| | GRADIENT | .04439 | -.00303 | .00106 | .04513 | -.00122 | -.00008 | -.00015 | .00060 | .08426 | -.00045 |

OA86 B50C9 F8 W116E26V8R5X9 (RDX108) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 108/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | X CP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.24180 | .05780 | .07870 | -.24530 | .04032 | -.00140 | .00470 | -.01300 | .77000 | .02374 |
| .200 | -2.080 | -.15890 | .04690 | .08400 | -.16050 | .04111 | -.00120 | .00320 | -.01100 | .84400 | .02315 |
| .200 | -1.040 | -.11330 | .04420 | .08560 | -.11410 | .04211 | -.00110 | .00310 | -.01100 | .92800 | .02281 |
| .200 | -.010 | -.06570 | .04140 | .08630 | -.06570 | .04147 | -.00170 | .00270 | -.00900 | 1.13500 | .02212 |
| .200 | 1.000 | -.01880 | .03950 | .08740 | -.01810 | .03992 | -.00200 | .00290 | -.00900 | 2.42500 | .02230 |
| .200 | 2.020 | .02860 | .03850 | .08840 | .02990 | .03751 | -.00210 | .00310 | -.00800 | -.43300 | .02184 |
| .200 | 4.070 | .12750 | .03920 | .08970 | .12990 | .03005 | -.00190 | .00320 | -.00600 | .39800 | .02171 |
| .200 | 6.130 | .22640 | .04420 | .09120 | .22980 | .01975 | -.00240 | .00310 | -.00500 | .50600 | .02115 |
| .200 | 8.200 | .32480 | .05340 | .09240 | .32910 | .00659 | -.00170 | .00370 | -.00700 | .54800 | .02145 |
| .200 | 10.250 | .42080 | .06720 | .09270 | .43390 | -.01016 | -.00180 | .00330 | -.00500 | .57300 | .02083 |
| .200 | 12.320 | .53400 | .08900 | .09470 | .54070 | -.02700 | -.00180 | .00260 | -.00400 | .58700 | .02163 |
| .200 | 14.380 | .64390 | .12100 | .09460 | .65380 | -.04271 | -.00190 | .00240 | -.00200 | .59800 | .02221 |
| .200 | 16.450 | .76160 | .16680 | .09210 | .77770 | -.05568 | -.00270 | .00350 | .00000 | .60800 | .02530 |
| .200 | 18.510 | .87240 | .23330 | .08370 | .90130 | -.05577 | .00400 | .00650 | -.00900 | .61700 | .02910 |
| .200 | 20.570 | .98490 | .30140 | .07480 | 1.02800 | -.06389 | .00180 | .00340 | -.00600 | .62500 | .03102 |
| .200 | 22.640 | 1.08880 | .36990 | .07490 | 1.14730 | -.07773 | .00250 | .00270 | -.00700 | .62800 | .03325 |
| .200 | 24.690 | 1.15360 | .44230 | .08150 | 1.23290 | -.08015 | .00070 | .00340 | -.00300 | .62700 | .03791 |
| .200 | 26.730 | 1.15520 | .49640 | .10360 | 1.25510 | -.07633 | -.00040 | .00260 | .00100 | .62100 | .04438 |
| .200 | 28.720 | 1.04490 | .51050 | .14870 | 1.16170 | -.05450 | -.00130 | .00240 | -.00200 | .60500 | .05810 |
| .200 | 30.760 | .98440 | .54950 | .16400 | 1.12700 | -.03147 | .00010 | .00580 | -.01300 | .59800 | .05809 |
| | GRADIENT | .04527 | -.00223 | .00127 | .04599 | -.00117 | -.00011 | -.00015 | .00084 | -.05896 | -.00026 |

OA86 B50C9 F8 W.16E26V8R5X9 (RDX109) ( 08 JAN 74 )

REFERENCE DATA

BREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 109/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.02140 | .03400 | .06350 | -.02140 | .03401 | -.02000 | .01110 | .18200 | 1.74200 | .02726 |
| .200 | -5.000 | -.04800 | .03730 | .07860 | -.04800 | .03730 | -.01030 | .00730 | .08500 | 1.25600 | .02469 |
| .200 | .000 | -.06290 | .04100 | .08850 | -.06290 | .04140 | -.00210 | .00110 | -.00400 | 1.11900 | .02251 |
| .200 | 4.990 | -.05390 | .04340 | .08340 | -.05390 | .04041 | .00410 | -.00490 | -.06700 | 1.09700 | .02521 |
| .200 | 10.030 | -.03220 | .05320 | .07420 | -.03280 | .03242 | .01480 | -.01030 | -.13400 | 1.08300 | .03412 |
| | GRADIENT | -.00059 | .00031 | .00046 | -.00059 | .00031 | .00144 | -.00122 | -.01772 | .161 | .00005 |

OA86 B5DC9 F8 W116E26V8R5X9 (RDX110) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 110/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .19040 | .03410 | .07780 | .19270 | .01702 | -.01950 | .01550 | .18600 | .58300 | .02629 |
| .200 | -5.010 | .17790 | .03690 | .08790 | .18040 | .02091 | -.01130 | .00930 | .09630 | .47200 | .02309 |
| .200 | -.020 | .18100 | .03920 | .09170 | .18380 | .02292 | -.00210 | .00270 | -.00200 | .46800 | .02215 |
| .200 | 5.010 | .17740 | .03700 | .09290 | .18030 | .02105 | .00930 | -.00430 | -.09230 | .46200 | .02419 |
| .200 | 10.010 | .18310 | .02930 | .08660 | .19100 | .01758 | -.01220 | -.01930 | -.18600 | .46500 | .02775 |
| | GRADIENT | -.00005 | .00051 | .00150 | -.00004 | .00001 | .00166 | -.00112 | -.01870 | -.07130 | .00011 |

OA86 B5DC9 F8 W116E26V8R5X9 (RDX111) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 111/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .43760 | .06040 | .08250 | .44140 | -.01847 | -.02430 | .01920 | .19800 | .58300 | .02539 |
| .200 | -5.020 | .43570 | .06360 | .08800 | .44010 | .01503 | -.01160 | .01230 | .09300 | .57800 | .02133 |
| .200 | .000 | .43170 | .06520 | .09610 | .43640 | -.01269 | -.00240 | .00200 | .00200 | .57100 | .02147 |
| .200 | 4.990 | .43220 | .06150 | .09670 | .43620 | -.01645 | .00430 | -.01110 | -.08500 | .57000 | .02437 |
| .200 | 10.010 | .44340 | .05240 | .08050 | .44570 | -.02741 | .02150 | -.01840 | -.19200 | .57700 | .02771 |
| | GRADIENT | -.00035 | -.00121 | .00087 | -.00039 | -.00014 | .00159 | -.00234 | -.01728 | -.00080 | .00010 |

0A86 B50C9 F8 W116E26V8R5X9 (RDX112) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 112/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .70750 | .14150 | .07510 | .72010 | -.05163 | -.01750 | .02540 | .18700 | .61300 | .02708 |
| .200 | -5.020 | .70440 | .14330 | .08480 | .71720 | -.04891 | -.00810 | .01580 | .09000 | .60800 | .02381 |
| .200 | -.020 | .70380 | .14140 | .09430 | .71610 | -.05066 | -.00330 | .00180 | .01000 | .60300 | .02382 |
| .200 | 5.000 | .71290 | .13520 | .09140 | .72320 | -.05903 | .00610 | -.01240 | -.07900 | .60500 | .02626 |
| .200 | 10.010 | .71600 | .13090 | .08280 | .72510 | -.06413 | .01760 | -.02450 | -.17700 | .61000 | .03054 |
| | GRADIENT | .00085 | -.00081 | .00066 | .00060 | -.00101 | .00142 | -.00281 | -.01687 | -.00030 | .00024 |

0A86 B50C9 M10F8 W116E26V8R5X9 (RDX113) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO 113/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.27980 | .07440 | .08880 | -.28450 | .05401 | -.00100 | .00490 | -.01500 | .76700 | .02793 |
| .200 | -2.110 | -.19270 | .06350 | .09260 | -.19500 | .056-5 | -.00130 | .00280 | -.01100 | .82600 | .02756 |
| .200 | -1.070 | -.14960 | .05900 | .09350 | -.15060 | .05619 | -.00100 | .00290 | -.01300 | .88000 | .02755 |
| .200 | -.040 | -.10270 | .05580 | .09400 | -.10270 | .05581 | -.00160 | .00280 | -.01000 | .98800 | .02720 |
| .200 | .950 | -.05440 | .05240 | .09540 | -.05350 | .05330 | -.00190 | .00270 | -.00900 | 1.30800 | .02773 |
| .200 | 2.000 | -.00310 | .05160 | .09420 | -.00130 | .05170 | -.00190 | 00310 | -.01000 | 25.86800 | .02692 |
| .200 | 4.060 | .09290 | .05240 | .09500 | .09640 | .04571 | -.00150 | .00320 | -.00900 | .28900 | .02696 |
| .200 | 6.110 | .19000 | .05633 | .09610 | .19490 | .03576 | -.00120 | .00360 | -.00900 | .47000 | .02583 |
| .200 | 8.170 | .29110 | .06380 | .09670 | .29720 | .02184 | -.00130 | .00390 | -.00800 | .53200 | .02559 |
| .200 | 10.230 | .39260 | .07530 | .09810 | .39970 | .00437 | -.00160 | .00380 | -.00600 | .56100 | .02535 |
| .200 | 12.300 | .49930 | .09540 | .09780 | .50810 | -.01316 | -.00260 | .00230 | -.00200 | .58100 | .02619 |
| .200 | 14.360 | .60890 | .12700 | .09560 | .62130 | -.02800 | -.00260 | .00240 | -.00100 | .59500 | .02647 |
| .200 | 16.410 | .72350 | .17060 | .09460 | .74230 | -.04079 | -.00290 | .00240 | .00000 | .60500 | .02842 |
| .200 | 18.500 | .83060 | .23270 | .08920 | .86150 | -.04292 | .00250 | .00420 | -.00600 | .61400 | .03078 |
| .200 | 20.550 | .95790 | .30080 | .07780 | 1.00250 | -.05467 | .00260 | .00350 | -.00600 | .62300 | .03267 |
| .200 | 22.610 | 1.06170 | .37220 | .07800 | 1.12320 | -.06470 | .00250 | .00230 | -.00700 | .62600 | .03582 |
| .200 | 24.770 | 1.12520 | .44620 | .08780 | 1.20660 | -.06631 | 00100 | .00120 | -.00100 | .62500 | .04005 |
| .200 | 26.780 | 1.13440 | .50350 | .10650 | 1.23960 | -.06175 | .00040 | .00060 | .00100 | .62000 | .04682 |
| .200 | 28.680 | .95680 | .49070 | .1736 | 1.07490 | -.02867 | .00140 | -.00070 | .00300 | .59200 | .05401 |
| .200 | 30.720 | .90150 | .51730 | .19340 | 1.03840 | -.01534 | -.00060 | .00250 | -.00300 | .58300 | .05749 |
| | GRADIENT | .04562 | -.00275 | .00069 | .04661 | -.00106 | -.00009 | -.00315 | .00170 | 1.51779 | -.00112 |

0A86 B50C9 M10F8 W116E26V8R5X9 (RDX114) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 114/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | -.05520 | .05070 | .06830 | -.05520 | .05073 | -.01600 | .00840 | .18200 | 1.[illegible] | .03168 |
| .200 | -5.020 | -.03450 | .05470 | .08530 | -.03450 | .05465 | -.00870 | .00550 | .08500 | 1.[illegible] | .02817 |
| .200 | .000 | -.10020 | .05420 | .09650 | -.10030 | .05414 | -.00160 | .00180 | -.00800 | 1.0[illegible] | .02824 |
| .200 | 5.000 | -.09170 | .05480 | .09190 | -.09160 | .05479 | .00350 | -.00250 | -.08900 | 1.02000 | .03024 |
| .200 | 10.040 | -.05780 | .04590 | .07910 | -.05780 | .04591 | .01170 | -.00520 | -.18600 | 1.[illegible] | .03331 |
| | GRADIENT | -.00072 | .00001 | .00066 | -.00073 | .00101 | .00122 | -.[illegible]680 | -.01737 | -.00[illegible]30 | .00[illegible]21 |

0A86 B50C9 M10F8 W116E26V8R5X9 (RDX115) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 115/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .16450 | .04690 | .07960 | .16800 | .03214 | -.01830 | .01160 | .18700 | .47700 | .03130 |
| .200 | -5.010 | .14480 | .05030 | .09180 | .14870 | .03431 | -.00940 | .00530 | .09500 | .42[illegible] | .02649 |
| .200 | .000 | .14640 | .05190 | .09700 | .15040 | .03873 | -.00080 | .00330 | -.00500 | .41[illegible] | .02764 |
| .200 | 5.000 | .14740 | .04960 | .09760 | .15120 | .03642 | .00490 | -.00270 | -.09300 | .4145[illegible] | .02[illegible]38 |
| .200 | 10.030 | .16390 | .04240 | .08730 | .16700 | .02767 | .01520 | -.00880 | -.19300 | .45900 | .03165 |
| | RADIENT | .00026 | -.00007 | .00058 | .00025 | -.00009 | .00134 | -.00080 | -.01878 | -.00100 | .00014 |

OA86 B50C9 M10F8 W116E26V8R5X9 (RDX116) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 116/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .41100 | .07130 | .07990 | .41710 | -.00288 | -.02140 | .01470 | .19800 | .58100 | .03149 |
| .200 | -5.020 | .40080 | .07400 | .08890 | .40760 | .00162 | -.01040 | .00990 | .09300 | .57100 | .02606 |
| .200 | -.010 | .39790 | .07350 | .09830 | .40460 | .00176 | -.00280 | .00160 | .00200 | .56200 | .02612 |
| .200 | 4.990 | .39660 | .07080 | .09960 | .40290 | -.00067 | .00250 | -.00930 | -.07900 | .56100 | .02687 |
| .200 | 10.020 | .41320 | .06180 | .08990 | .41760 | -.01264 | .01780 | -.01370 | -.18900 | .57200 | .03190 |
| | GRADIENT | -.00042 | -.00032 | .00107 | -.00047 | -.00023 | .00129 | -.00192 | -.01718 | -.00100 | .00008 |

OA86 B50C9 M10F8 W116E26V8R5X9 (RDX117) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 117/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .68070 | .14790 | .07220 | .69560 | -.03824 | -.01920 | .01920 | .20000 | .61300 | .03149 |
| .200 | -5.010 | .66510 | .14590 | .08890 | .68000 | -.03599 | -.00850 | .01210 | .09600 | .60400 | .02708 |
| .200 | .000 | .66700 | .14320 | .09860 | .68110 | -.03903 | -.00360 | .00020 | .01100 | .5980[illegible] | .02763 |
| .200 | 5.000 | .66980 | .13850 | .09780 | .68250 | -.04429 | .00490 | -.01040 | -.08200 | .59900 | .02848 |
| .200 | 10.030 | .68160 | .13630 | .08180 | .69330 | -.04965 | .01840 | -.02100 | -.19000 | .60800 | .03135 |
| | GRADIENT | .00047 | -.00074 | .00089 | .00025 | -.00083 | .00134 | -.00225 | -.01774 | -.00050 | .00014 |

OA86 B5GC9 M11F8 W116E26V8R5X9 (RDX118) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHE
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .04 5 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = .0 AILRON = .000
RUDDER = . SPOBRK = 25.000

RUN NO. 118/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.27410 | .07624 | .08650 | -.27910 | .05820 | -.01 1.0 | .00540 | -.01500 | .756 | .02391 |
| .200 | -2.10 | -.1908 | .0 669 | .09050 | -.1931 | .05992 | -.0 150 | . 0320 | -.01200 | .82400 | .02386 |
| .200 | -1.07 | -.14550 | .062 | .09590 | -.1466 | .05936 | -.00150 | .00340 | -.01100 | .8 | .02382 |
| .2 | -.04 | -.09775 | .05 | .09120 | - 09760 | .05928 | -.0 16 | . 0330 | -.01100 | .935 | .02378 |
| .200 | .975 | -.05010 | .0 540 | .09230 | -.04910 | .05726 | -.0 19 | .00830 | -.01 | 1.34400 | .02393 |
| .200 | 2.080 | -.00675 | .0 546 | .09280 | .00110 | .05467 | -.0 25 | .0 2 | -.00 | -28.95900 | .02418 |
| .200 | 4. 6 | .09740 | .0 549 | . 92 | .10110 | .04786 | -.0 13 | .0 340 | . 8 | .3160 | . 2295 |
| .200 | 6.12 | .19610 | . 0 4 | .09360 | .20140 | .03917 | -.0 14 | . 760 | 80 | .4 | .02252 |
| .200 | 8 170 | .29570 | .0 6710 | .09310 | .30250 | .02467 | -.0 110 | . 10 | . 8 | .53 | .02215 |
| .200 | 10.250 | .3996 | .0 6210 | .09240 | .40810 | .00978 | -.00210 | . 8 | . 5 | .6800 | .02214 |
| .200 | 12.310 | .5026 | .1 10 | .09410 | .5124 | -.01 6 | -.0028 | .0 | -.0 | .684 | .2110 |
| .2 | 14.350 | .61600 | .13170 | .09170 | .62940 | -.0 25 | -.00260 | | . 3 | .5460 | .02205 |
| .2 | 16.4 | .7276 | .1731 | .09130 | .7466 | -.0 395 | .0 25 | . 2 | .0 10 | .607 | . 2464 |
| .200 | 18.490 | .83630 | .23830 | .09470 | .8647 | -.0 427 | .0 35 | . 4 | - 06 | .6190 | .02740 |
| .2 0 | 20.550 | .96060 | .3 60 | .0749 | 1.0 750 | -.05020 | .... | .0 | -.0 6 | .6240 | .02 4 |
| .200 | 22.610 | 1.05940 | .3784 | .0 744 | 1 12450 | -.05799 | . 5 | .0 | -.0 400 | .6270 | .0 525 |
| .200 | 24.580 | 1.11690 | .44 | . 821 | 1 .2 24 | -.05817 | . 040 | . 70 | .0 | .6 | .03434 |
| .200 | 26.710 | 1.12940 | .511 0 | .1 25 | 1.23650 | -.05153 | -.0 040 | 80 | .00 0 | .6 | .04 56 |
| .200 | 28.680 | .9595 | .5 60 | .1695 | 1.0821 | -.02139 | .0 180 | - 540 | .0 200 | .594 | . 5 50 |
| .200 | 30.710 | .89 4 | .52 10 | .191 0 | 1.0 711 | -. 4767 | -.0 440 | 470 | -.0 | .56 | . 5 51 |
| | GRADIENT | .04553 | -.06286 | .0 64 | .04658 | -.00125 | -.05012 | -.0 19 | .00 6 | -1.41 2 | - 00 7 |

OA86 B5 C9 M11F8 W116E26V8RJX9 (RDX119) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .00 SPOBRK = 25.000

RUN NO. 119/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | -.0 0 | .05380 | .06490 | -.04810 | .05384 | -.01910 | .00880 | .19000 | 1 .4 | .0 29 |
| .200 | -5.000 | -.08020 | .05840 | .08140 | -.08030 | .05840 | -.00930 | .00540 | .08900 | 1. 5.00 | .0 49 |
| .200 | .000 | -.09700 | .05810 | . 190 | -.09700 | .05810 | -.00220 | .00090 | -.00300 | 1.00000 | .02356 |
| .200 | 5.020 | -.08360 | .05 | .0 910 | -.08560 | .05803 | .00380 | -.00250 | -.0 100 | 1.03500 | .02649 |
| .200 | 10.040 | -.05630 | .04890 | .0757 | - 05630 | .04892 | .01420 | -.00530 | -.1 300 | 1.14600 | .03 49 |
| | GRADIENT | -.00054 | -.00004 | .0 77 | -.00053 | -.00004 | .00131 | -.00179 | -.01796 | .00100 | .00006 |

0486 B50C9 M11F8 W116E26V8R5X9 (RDx120) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 120/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .17130 | .05280 | .07480 | .17530 | .03737 | -.01900 | .01160 | .19400 | .49500 | .02720 |
| .200 | -4.990 | .15180 | .05490 | .08770 | .15600 | .04124 | -.00980 | .00520 | .09800 | .44500 | .02419 |
| .200 | -.010 | .15330 | .05580 | .09450 | .15760 | .04199 | -.00070 | .00380 | -.00600 | .43100 | .02276 |
| .200 | 5.010 | .15130 | .05270 | .09150 | .15540 | .03915 | .00400 | -.00260 | -.09400 | .42800 | .02555 |
| .200 | 10.020 | .17050 | .04570 | .08330 | .17390 | .03040 | .01590 | -.00890 | -.19800 | .47500 | .02882 |
| | GRADIENT | -.00005 | -.00022 | .00068 | -.00036 | -.00021 | .00138 | -.00078 | -.01920 | -.00170 | .00014 |

0486 B50C9 M11F8 W116E26V8R5X9 (RDx121) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4 .9 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 121/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .41880 | .07650 | .07510 | .42570 | .00088 | -.02180 | .01430 | .20300 | .58700 | .02830 |
| .200 | -3.010 | .40860 | .07790 | .08480 | .41600 | .00404 | -.01110 | .00990 | .09800 | .57700 | .02350 |
| .200 | .000 | .40490 | .07790 | .09450 | .41230 | .00471 | -.00280 | .00180 | .00400 | .56700 | .02215 |
| .200 | 5.000 | .40480 | .07460 | .09480 | .41160 | .00148 | .00270 | -.00920 | -.08000 | .56700 | .02482 |
| .200 | 10.020 | .42000 | .06630 | .08620 | .42510 | -.00947 | .01810 | -.01570 | -.19500 | .57700 | .02963 |
| | GRADIENT | -.00038 | -.00033 | .00100 | -.00044 | -.00026 | .00138 | -.00091 | -.01778 | -.00100 | .00013 |

OA86 B50C9 M11F8 W116E26V8R3X9 (RDX122) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 122/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .68660 | .15410 | .06810 | .70290 | -.03578 | -.02070 | .02040 | .20500 | .61600 | .02749 |
| .200 | -5.020 | .67560 | .15030 | .06280 | .69120 | -.03453 | -.00800 | .01240 | .09700 | .60300 | .02365 |
| .200 | -.010 | .67400 | .14 30 | .09520 | .68910 | -.03632 | -.00380 | .00010 | .01100 | .60100 | .02383 |
| .200 | 5.030 | .67530 | .14440 | .09240 | .68940 | -.04020 | .00420 | -.01020 | -.08100 | .60200 | .02396 |
| .200 | 10.020 | .69220 | .14210 | .07740 | .70510 | -.04679 | .01780 | -.02140 | -.19100 | .61100 | .02881 |
| | GRADIENT | -.00003 | -.00059 | .00095 | -.00018 | -.00056 | .00121 | -.00225 | -.01771 | -.00060 | .00003 |

OA86 B50C9 F8 W116E26V8R5X9 (RDX123) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 123/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.15810 | .04980 | .04310 | -.16130 | .03834 | -.00110 | .00500 | -.01400 | .75000 | .02577 |
| .200 | -2.060 | -.07340 | .04300 | .04720 | -.07490 | .04042 | -.00160 | .00400 | -.01500 | .88300 | .02586 |
| .200 | -1.020 | -.02720 | .04110 | .04700 | -.02800 | .04064 | -.00200 | .00340 | -.00900 | 1.27900 | .02507 |
| .200 | .000 | .01970 | .04060 | .04840 | .01970 | .04060 | -.00210 | .00320 | -.00900 | -.25300 | .02524 |
| .200 | 1.010 | .06740 | .04010 | .04940 | .06810 | .03893 | -.00220 | .00300 | -.00800 | .38500 | .02463 |
| .200 | 2.050 | .11290 | .04160 | .05120 | .11430 | .03752 | -.00340 | .00210 | -.00400 | .48700 | .02469 |
| .200 | 4.100 | .20520 | .04720 | .05410 | .20860 | .03247 | -.00340 | .00200 | -.00300 | .55600 | .02399 |
| .200 | 6.150 | .30300 | .05430 | .05520 | .30710 | .02146 | -.00290 | .00180 | -.00400 | .58500 | .02350 |
| .200 | 8.230 | .40680 | .06540 | .05500 | .41200 | .00650 | -.00220 | .00240 | -.00400 | .60200 | .02307 |
| .200 | 10.280 | .51170 | .08110 | .05700 | .51790 | -.01156 | -.00250 | .00240 | -.00300 | .61100 | .02321 |
| .200 | 12.350 | .61920 | .10540 | .05700 | .62740 | -.02949 | -.00270 | .00160 | -.00100 | .61800 | .02395 |
| .200 | 14.400 | .73510 | .14340 | .05380 | .74770 | -.04390 | -.00200 | .00190 | -.00100 | .62500 | .02499 |
| .200 | 16.460 | .85810 | .20170 | .05080 | .86090 | -.04402 | .00271 | .00510 | -.00800 | .63000 | .02785 |
| .200 | 18.540 | .95020 | .26160 | .04640 | .98410 | -.05423 | .00370 | .00570 | -.01000 | .63400 | .03024 |
| .200 | 20.590 | 1.07640 | .33820 | .03510 | 1.12660 | -.06206 | .00190 | .00310 | -.00500 | .64000 | .03345 |
| .200 | 22.660 | 1.16930 | .40770 | .03810 | 1.23620 | -.07442 | .00230 | .00300 | -.00600 | .64000 | .03649 |
| .200 | 24.710 | 1.21110 | .47800 | .05030 | 1.30000 | -.07225 | .00070 | .00280 | -.00300 | .63700 | .04191 |
| .200 | 26.720 | 1.13940 | .51260 | .08700 | 1.24820 | -.05471 | -.00070 | .00240 | -.00200 | .62600 | .05030 |
| .200 | 28.710 | 1.03100 | .52160 | .13330 | 1.15490 | -.03792 | -.00090 | -.00350 | .00400 | .60900 | .05932 |
| .200 | 30.750 | 1.00480 | .57050 | .14360 | 1.15520 | -.02354 | .00130 | .00620 | -.01500 | .60600 | .06231 |
| | GRADIENT | .04457 | -.00033 | .00124 | .04529 | -.00072 | -.00030 | -.00038 | .00146 | -.05704 | -.00023 |

OA86 B50C9 F8 W116E26V8R5X9 (RDX124) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 124/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .05850 | .03570 | .02660 | .05850 | .03569 | -.01910 | .01190 | .18300 | .48400 | .02842 |
| .200 | -5.020 | .02930 | .03790 | .04180 | .02930 | .03799 | -.01000 | .00670 | .08900 | .12700 | .02665 |
| .200 | .000 | .02270 | .03930 | .04890 | .02270 | .03930 | -.00240 | .00070 | -.00200 | -.13800 | .02522 |
| .200 | 5.000 | .02560 | .03950 | .04740 | .02560 | .03958 | .00360 | -.00560 | -.08500 | -.02900 | .02730 |
| .200 | 10.020 | .04430 | .03050 | .03760 | .04430 | .03057 | .01520 | -.00920 | -.18700 | .33900 | .03071 |
| | GRADIENT | -.00037 | .00016 | .00056 | -.00037 | .00016 | .00136 | -.00123 | -.01737 | -.01559 | .00006 |

OA86 B50C9 F8 W116E26V8R5X9 (RDX125) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 125/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .27020 | .04050 | .04180 | .27270 | .01615 | -.02110 | .01440 | .19400 | .59500 | .02666 |
| .200 | -.010 | .26400 | .04460 | .04870 | .26690 | .02082 | -.01140 | .00780 | .09700 | .58400 | .02473 |
| .200 | .010 | .26000 | .04890 | .05560 | .26330 | .02548 | -.00320 | .00090 | .00200 | .57400 | .02403 |
| .200 | 5.000 | .26270 | .04320 | .05460 | .26550 | .01961 | .00480 | -.00630 | -.09100 | .57600 | .02605 |
| .200 | 10.020 | .27420 | .03420 | .05060 | .27620 | .00952 | .01830 | -.01350 | -.19500 | .58400 | .03014 |
| | GRADIET | -.00013 | -.00014 | .00059 | -.00014 | -.00012 | .00162 | -.00141 | -.01878 | -.00080 | .00013 |

OA86 B50C9 F8 W116E26V8R5X9 (RDX126) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 126/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .51880 | .07420 | .04490 | .52370 | -.01951 | -.02520 | .01990 | .20200 | .62000 | .02692 |
| .200 | -5.020 | .51890 | .07730 | .05000 | .52450 | -.01588 | -.01280 | .01290 | .09700 | .61700 | .02478 |
| .200 | .000 | .51560 | .07940 | .05720 | .52150 | -.01377 | -.00310 | .00080 | .00500 | .61100 | .02328 |
| .200 | 5.000 | .52290 | .07360 | .05650 | .52760 | -.02088 | .00530 | -.01170 | -.08000 | .61200 | .02629 |
| .200 | 10.020 | .53140 | .06660 | .05210 | .53480 | -.02934 | .02090 | -.02070 | -.19000 | .61600 | .02963 |
| | GRADIENT | .00040 | -.00043 | .00065 | .00031 | -.00050 | .00181 | -.00246 | -.01767 | -.00050 | .00015 |

OA86 B50C9 F8 W116E26V8R5X9 (RDX127) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 127/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .79420 | .16800 | .03490 | .81030 | -.04948 | -.01890 | .02550 | .19200 | .63600 | .02874 |
| .200 | -5.020 | .79330 | .17690 | .04090 | .81180 | -.04057 | -.00990 | .01680 | .09600 | .63300 | .02547 |
| .200 | -.030 | .79160 | .17560 | .05160 | .80980 | -.04140 | .00080 | .00200 | .00100 | .62800 | .02633 |
| .200 | 5.000 | .79970 | .16070 | .05250 | .81370 | -.05788 | .00540 | -.01500 | -.07800 | .62800 | .02789 |
| .200 | 10.010 | .79760 | .15700 | .04430 | .81060 | -.06106 | .01480 | -.02850 | -.17200 | .63200 | .03168 |
| | GRADIENT | .00064 | -.00162 | .00116 | .00019 | -.00173 | .00153 | -.00317 | -.01736 | -.00050 | .00024 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX128) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 128/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.19780 | .05070 | .05800 | -.20090 | .03640 | -.00230 | .00450 | -.01100 | .75800 | .04701 |
| .200 | -2.050 | -.11190 | .04340 | .06150 | -.11340 | .03939 | -.00240 | .00380 | -.01000 | .85100 | .04608 |
| .200 | -1.020 | -.06580 | .04070 | .06210 | -.06650 | .03953 | -.00290 | .00330 | -.00800 | .99500 | .04506 |
| .200 | .000 | -.01820 | .03810 | .06290 | -.01820 | .03812 | -.00310 | .00280 | -.00600 | 1.92200 | .04544 |
| .200 | 1.010 | .02890 | .03790 | .06310 | .02950 | .03740 | -.00350 | .00260 | -.00600 | -.13200 | .04435 |
| .200 | 2.050 | .07490 | .03800 | .06430 | .07620 | .03529 | -.00370 | .00230 | -.00400 | .34100 | .04352 |
| .200 | 4.090 | .16960 | .04220 | .06610 | .17290 | .03006 | -.00350 | .00220 | -.00300 | .51000 | .04224 |
| .200 | 6.170 | .26300 | .04870 | .06980 | .26750 | .02014 | -.00420 | .00150 | .00000 | .55600 | .04099 |
| .200 | 8.220 | .36760 | .05830 | .06860 | .37220 | .00520 | -.00280 | .00290 | -.00300 | .58400 | .03887 |
| .200 | 10.270 | .47180 | .07310 | .06950 | .47720 | -.01220 | -.00350 | .00200 | .00000 | .59800 | .03922 |
| .200 | 12.350 | .58060 | .09570 | .07130 | .59760 | -.03064 | -.00420 | .00130 | .00200 | .60700 | .04015 |
| .200 | 14.390 | .68860 | .12860 | .06930 | .69900 | -.04658 | -.00340 | .00160 | .00100 | .61500 | .04128 |
| .200 | 16.450 | .80590 | .17620 | .06750 | .82280 | -.05921 | -.00360 | .00210 | .00400 | .62100 | .04453 |
| .200 | 18.520 | .91870 | .24390 | .06080 | .94860 | -.06064 | .00270 | .00540 | -.00700 | .62800 | .04850 |
| .200 | 20.590 | 1.04070 | .31600 | .05110 | 1.08540 | -.07025 | .00100 | .00240 | -.00200 | .63400 | .05329 |
| .200 | 22.650 | 1.14060 | .38890 | .04990 | 1.20240 | -.08039 | .00140 | .00260 | -.00300 | .63600 | .05579 |
| .200 | 24.720 | 1.18950 | .45760 | .06540 | 1.27180 | -.08188 | -.00010 | .00250 | .00000 | .63300 | .06303 |
| .200 | 26.740 | 1.18000 | .50580 | .09930 | 1.28140 | -.07922 | -.00120 | .00190 | .00100 | .62300 | .07409 |
| .200 | 28.710 | 1.00690 | .49340 | .16620 | 1.12020 | -.05101 | .00150 | -.00510 | .00100 | .59700 | .08165 |
| .200 | 30.750 | .96670 | .52850 | .18530 | 1.10100 | -.04017 | -.00070 | .00210 | .00000 | .59000 | .08098 |
| | GRADIENT | .04508 | -.00111 | .00091 | .04577 | -.00083 | -.00019 | -.00030 | .00107 | -.07274 | -.00058 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX129) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 129/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .02430 | .03130 | .03880 | .02430 | .03163 | -.02020 | .00770 | .18800 | .06400 | .05078 |
| .200 | -5.020 | -.00750 | .03730 | .0551 | -.00750 | .03735 | -.01030 | .00430 | .09100 | 3.33100 | .04623 |
| .200 | .000 | -.01480 | .03800 | .0627. | -.01480 | .03805 | -.00330 | .00100 | .00900 | 2.21100 | .04460 |
| .200 | 5.000 | -.01410 | .03820 | .06150 | -.01410 | .03827 | .00210 | -.00310 | -.08500 | 2.25200 | .04578 |
| .200 | 10.020 | .00760 | .02530 | .05210 | .00760 | .02537 | .01360 | -.00480 | -.18700 | -1.85000 | .05168 |
| | GRADIENT | -.00066 | .00009 | .00064 | -.00066 | .00009 | .00124 | -.00074 | .01727 | -.10636 | -.00 * |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX130) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 130/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .23620 | .03280 | .05390 | .23820 | .01163 | -.02180 | .01030 | .19900 | .56800 | .04823 |
| .200 | -5.010 | .22890 | .03970 | .06200 | .23150 | .01913 | -.01150 | .00520 | .09900 | .55300 | .04444 |
| .200 | -.010 | .22000 | .04370 | .06910 | .22300 | .02390 | -.00390 | .00120 | .00500 | .53800 | .04131 |
| .200 | 5.000 | .22580 | .03840 | .06810 | .22840 | .01812 | .00320 | -.00370 | -.09000 | .54200 | .04428 |
| .200 | 10.010 | .23990 | .02720 | .06190 | .24140 | .00570 | .01610 | -.00890 | -.19400 | .55700 | .04901 |
| | GRADIENT | -.00031 | -.00013 | .00061 | -.00031 | -.00010 | .00147 | -.00089 | -.01888 | -.00110 | -.00002 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX131) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 5.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 131/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .48860 | .06380 | .05540 | .49210 | -.02433 | -.02540 | .01470 | .20700 | .61000 | .04839 |
| .200 | -5.020 | .48100 | .06990 | .06100 | .48580 | -.01697 | -.01290 | .00980 | .09900 | .59500 | .04174 |
| .200 | -.010 | .47790 | .07110 | .07060 | .48290 | -.01533 | -.00420 | .00060 | .00700 | .59800 | .03941 |
| .200 | 4.990 | .48190 | .06460 | .06930 | .48570 | -.02236 | .00340 | -.00940 | -.08000 | .59900 | .04232 |
| .200 | 10.000 | .49490 | .05590 | .06200 | .49690 | -.03323 | .01850 | -.01570 | -.19100 | .60900 | .04777 |
| | GRADIENT | .00009 | -.00053 | .00083 | -.00001 | -.00054 | .00163 | -.00192 | -.01788 | -.00060 | .00006 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX132) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 132/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -9.990 | .76400 | .15370 | .04450 | .77740 | -.05531 | -.02270 | .02070 | .20800 | .63100 | .04745 |
| .200 | -5.020 | .75090 | .15430 | .06050 | .76490 | -.05117 | -.00900 | .01280 | .09700 | .62300 | .04379 |
| .200 | .000 | .75580 | .15070 | .06940 | .76860 | -.05617 | -.00550 | -.00020 | .01500 | .61800 | .04282 |
| .200 | 4.990 | .75420 | .14430 | .06990 | .76540 | -.06182 | .00360 | -.01200 | -.07700 | .61800 | .04334 |
| .200 | 10.020 | .76540 | .14020 | .05570 | .77510 | -.06879 | .01640 | -.02420 | -.18200 | .62500 | .04868 |
| | GRADIENT | .00033 | -.00100 | .00094 | .00005 | -.00106 | .00126 | -.00248 | -.01738 | -.00050 | -.00005 |

OA86 B45C9 M7F8 W116E26V8R5X9 (RDX133, ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDEP = .000 SPDBRK = 25.000

RUN NO. 133/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.19390 | .05330 | .05560 | -.19730 | .03926 | -.00210 | .00420 | -.01000 | .75500 | .04547 |
| .200 | -2.040 | -.10840 | .04530 | .06010 | -.11000 | .04144 | -.00230 | .00370 | -.00900 | .85300 | .04349 |
| .200 | -1.0[illegible] | -.06430 | .04180 | .06170 | -.06500 | .04072 | -.00270 | .00340 | -.00800 | 1.00100 | .04470 |
| .200 | .000 | -.01690 | .04050 | .06180 | -.01690 | .04057 | -.00300 | .00280 | -.00600 | 1.99200 | .04329 |
| .200 | 1.020 | .03100 | .04070 | .06160 | .03170 | .04021 | -.00350 | .00250 | -.00400 | -.06100 | .04206 |
| .200 | 2.050 | .07[illegible]0 | .03990 | .06340 | .07870 | .03713 | -.00360 | .00220 | -.00300 | .35500 | .04260 |
| .200 | 4.090 | .16960 | .04470 | .06550 | .17240 | .03251 | -.00380 | .00190 | -.00200 | .51200 | .04062 |
| .200 | 6.170 | .26890 | .05100 | .06730 | .27280 | .02181 | -.00420 | .00150 | .00000 | .56100 | .03928 |
| .200 | 8.220 | .37060 | .06000 | .06770 | .37530 | .00639 | -.00360 | .00190 | .00000 | .58500 | .03774 |
| .200 | 10.280 | .47430 | .07440 | .06940 | .47990 | -.01139 | -.00360 | .00200 | .00000 | .59800 | .03816 |
| .200 | 12.350 | .58420 | .09780 | .07080 | .59160 | -.02934 | -.00420 | .00120 | .00300 | .60800 | .03914 |
| .200 | 14.400 | .69470 | .13140 | .06870 | .70550 | -.04547 | -.00350 | .00120 | .00300 | .61600 | .03990 |
| .200 | 16.460 | .80850 | .17940 | .06710 | .82620 | -.05700 | -.00340 | .00200 | .00400 | .62200 | .04285 |
| .200 | 18.520 | .91950 | .24690 | .06060 | .95030 | -.05809 | .00310 | .00550 | -.00600 | .62800 | .04688 |
| .200 | 20.610 | 1.04430 | .31970 | .05030 | 1.09010 | -.06831 | .00110 | .00240 | -.00100 | .63500 | .05123 |
| .200 | 22.660 | 1.14130 | .39250 | .05090 | 1.20440 | -.07757 | .00170 | .00280 | -.00300 | .63600 | .[illegible]5379 |
| .200 | 24.710 | 1.19440 | .46180 | .06620 | 1.27810 | -.07989 | .00020 | .00200 | -.00100 | .63300 | .06364 |
| .200 | 26.750 | 1.17360 | .50970 | .09530 | 1.27740 | -.07304 | -.00070 | .00160 | .00200 | .62400 | .06701 |
| .200 | 28.720 | 1.01230 | .49960 | .16620 | 1.12790 | -.04844 | .00040 | -.00310 | -.00200 | .59700 | .08037 |
| .200 | 30.760 | .95910 | .53130 | .18010 | 1.09590 | -.03399 | -.00220 | .00480 | -.00200 | .59100 | .[illegible]7799 |
| | GRADIENT | .04463 | -.00108 | .00107 | .04538 | -.00084 | -.00024 | -.00[illegible]20 | .00112 | -.07030 | -.[illegible]0755 |

OA86 B45C9 M7F8 W116E26V8R5X9 (RDX134) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 134/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .02840 | .03340 | .03740 | .02840 | .03344 | -.02020 | .00700 | .19000 | .16700 | .04923 |
| .200 | -5.010 | -.00410 | .03960 | .05380 | -.00410 | .03962 | -.01060 | .00350 | .09400 | 5.46300 | .04491 |
| .200 | -.010 | -.01410 | .04030 | .06290 | -.01410 | .04030 | -.00360 | .00080 | .00100 | 2.28700 | .04341 |
| .200 | 5.030 | -.01510 | .03890 | .06320 | -.01500 | .03893 | .00210 | -.00260 | -.09500 | 2.19500 | .04485 |
| .200 | 10.030 | .00420 | .02840 | .05310 | .00420 | .02840 | .01380 | -.00400 | -.18700 | -3.98200 | .04831 |
| | GRADIENT | -.00109 | -.00007 | .00094 | -.00108 | -.00007 | .00126 | -.00061 | -.01783 | -.32509 | -.00001 |

OA86 B45C9 M7F8 W116E26V8R5X9 (RDX135) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 135/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .23890 | .03520 | .05250 | .24110 | .01364 | -.02190 | .00980 | .20100 | .57200 | .04707 |
| .200 | -5.010 | .23100 | .04230 | .06170 | .23390 | .02152 | -.01200 | .00440 | .10300 | .55400 | .04290 |
| .200 | -.020 | .22080 | .04600 | .07000 | .22410 | .02613 | -.00430 | .00050 | .00600 | .53700 | .04083 |
| .200 | 5.000 | .22610 | .04200 | .06820 | .22890 | .02167 | .00290 | -.00420 | -.08650 | .54200 | .04157 |
| .200 | 10.030 | .23500 | .02930 | .06330 | .23670 | .00820 | .01590 | -.00810 | -.19400 | .55300 | .04643 |
| | GRADIENT | -.00049 | -.00003 | .00065 | -.00050 | .00001 | .00149 | -.00086 | -.01888 | -.00120 | -.00013 |

OA86 B45C9 M7F8 W116E26V8R5X9 (RDX136) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 136/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .250 | -10.010 | .49300 | .06770 | .05540 | .49720 | -.02141 | -.02490 | .01380 | .21100 | .61100 | .04802 |
| .250 | -5.010 | .47710 | .07180 | .06500 | .48220 | -.01444 | -.01300 | .01050 | .10300 | .60200 | .04026 |
| .250 | -.010 | .48310 | .07460 | .06770 | .48870 | -.01279 | -.00430 | -.00030 | .01000 | .60100 | .03827 |
| .250 | 5.000 | .49020 | .06890 | .06600 | .49460 | -.01964 | .00330 | -.01090 | -.07700 | .60300 | .04111 |
| .250 | 10.020 | .50540 | .06040 | .05730 | .50800 | -.03079 | .01820 | -.01730 | -.18700 | .61000 | .04636 |
| | GRADIENT | .00131 | -.00029 | .00010 | .00124 | -.00052 | .00163 | -.00214 | -.01798 | .00010 | .00009 |

OA86 B45C9 M7F8 W116E26V8R5X9 (RDX137) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 137/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .250 | -10.020 | .76510 | .15770 | .04290 | .77950 | -.05152 | -.02190 | .02160 | .20400 | .63100 | .04627 |
| .250 | -4.990 | .75840 | .15970 | .05810 | .77360 | -.04790 | -.00900 | .01300 | .09700 | .62400 | .04290 |
| .250 | -.010 | .76100 | .15500 | .06690 | .77480 | -.05306 | -.00560 | -.00090 | .01500 | .62000 | .04199 |
| .250 | 4.980 | .75850 | .14960 | .06720 | .77100 | -.05763 | .00270 | -.01290 | -.07500 | .62000 | .04168 |
| .250 | 10.010 | .76650 | .14570 | .05330 | .77770 | -.06349 | .01540 | -.02550 | -.17400 | .62000 | .04450 |
| | GRADIENT | .00101 | -.00151 | .00031 | -.00026 | -.00098 | .00117 | -.00160 | -.01705 | -.00040 | -.00019 |

0486 B45C9 M7F8 W116E26V8R5X9 (RDX143) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 143/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.27930 | .06100 | .09290 | -.28300 | .04071 | -.00190 | .00540 | -.01400 | .77200 | .04256 |
| .200 | -2.110 | -.19510 | .05000 | .09720 | -.19680 | .04285 | -.00230 | .00330 | -.01000 | .83300 | .04199 |
| .200 | -1.050 | -.15460 | .04580 | .09920 | -.15540 | .04302 | -.00240 | .00330 | -.01000 | .88700 | .04083 |
| .200 | -.030 | -.10680 | .04230 | .10020 | -.10660 | .04224 | -.00280 | .00320 | -.00900 | .99700 | .04043 |
| .200 | .970 | -.06070 | .03990 | .10150 | -.06090 | .04100 | -.00290 | .00320 | -.00800 | 1.27400 | .04002 |
| .200 | 2.060 | -.00890 | .03770 | .10240 | -.00750 | .03801 | -.00290 | .00350 | -.00700 | 5.63600 | .04044 |
| .200 | 4.110 | .08860 | .03710 | .10360 | .09100 | .03071 | -.00260 | .00340 | -.00700 | .23300 | .03916 |
| .200 | 6.120 | .18350 | .04130 | .10570 | .18690 | .02154 | -.00230 | .00350 | -.00600 | .44300 | .03701 |
| .200 | 8.190 | .27870 | .04950 | .10910 | .28290 | .00931 | -.00320 | .00240 | -.00200 | .51000 | .03569 |
| .200 | 10.240 | .38220 | .06160 | .11110 | .38710 | -.00735 | -.00410 | .00170 | .00070 | .54600 | .03603 |
| .200 | 12.300 | .48540 | .08100 | .11330 | .49160 | -.02428 | -.00450 | .00050 | .00200 | .56700 | .03677 |
| .200 | 14.360 | .60140 | .11100 | .11250 | .61020 | -.04162 | -.00420 | .00010 | .00300 | .58400 | .03860 |
| .200 | 16.420 | .71110 | .15280 | .11040 | .72530 | -.05440 | -.00400 | .00040 | .00500 | .59600 | .04112 |
| .200 | 18.500 | .83040 | .21760 | .10310 | .85650 | -.05725 | .00190 | .00440 | -.00400 | .60700 | .04553 |
| .200 | 20.570 | .96030 | .28540 | .09290 | .99930 | -.07016 | .00110 | .00520 | -.00600 | .61700 | .04957 |
| .200 | 22.620 | 1.06620 | .35730 | .09090 | 1.12170 | -.08029 | .00110 | .00200 | -.00100 | .62200 | .05243 |
| .200 | 24.680 | 1.11420 | .42530 | .10050 | 1.19360 | -.08049 | -.00030 | .00190 | .00000 | .62100 | .05621 |
| .200 | 26.720 | 1.13830 | .46580 | .12180 | 1.23520 | -.07606 | -.00030 | .00120 | .00200 | .61500 | .06421 |
| .200 | 28.700 | .96900 | .47290 | .18650 | 1.07710 | -.05059 | .00010 | -.00310 | .00400 | .58800 | .07197 |
| .200 | 30.750 | .92160 | .50480 | .20440 | 1.05010 | -.03749 | -.00090 | .00240 | -.00400 | .58000 | .07462 |
| | GRADIENT | .04466 | -.00290 | .00128 | .04539 | -.00119 | -.00010 | -.00020 | .00003 | .18249 | -.01040 |

0486 B45C9 M7F8 W116E26V8R5X9 (RDX144) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 144/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | -.06270 | .03450 | .09230 | -.06270 | .03431 | -.01890 | .00870 | .18200 | 1.45000 | .03632 |
| .200 | -5.030 | -.06310 | .03390 | .09510 | -.06310 | .03397 | -.01040 | .00440 | .09100 | 1.45000 | .03597 |
| .200 | -.010 | -.10400 | .04150 | .10180 | -.10410 | .04079 | -.00310 | .00120 | -.02200 | 1.45000 | .04076 |
| .200 | 4.990 | -.09820 | .04140 | .09920 | -.09860 | .04136 | .00160 | -.00060 | -.00200 | 1.45000 | .04197 |
| .200 | 10.000 | -.08210 | .04090 | .11000 | -.08210 | .02890 | .01210 | -.00500 | -.10400 | 1.45000 | .04124 |
| | GRADIENT | -.00277 | .00074 | .00111 | -.00277 | .00224 | .00120 | -.00084 | -.01837 | .00000 | -.00040 |

OA66 B45C9 M7F8 W116E26V8R5X9 (RDX145) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0409 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 145/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .15750 | .03140 | .08960 | .15960 | .01730 | -.02030 | .01230 | .19000 | .44500 | .04471 |
| .200 | -5.020 | .14030 | .03500 | .10250 | .14280 | .02246 | -.01130 | .00480 | .09800 | .38800 | .04160 |
| .200 | -.020 | .13890 | .03740 | .10620 | .14170 | .02495 | -.00240 | .00260 | -.00100 | .37600 | .03758 |
| .200 | 4.990 | .13620 | .03450 | .10860 | .13870 | .02235 | .00260 | -.00350 | -.02700 | .36400 | .03992 |
| .200 | 10.010 | .14830 | .02580 | .10070 | .15000 | .01252 | .01310 | -.01150 | -.16300 | .40500 | .04377 |
| | GRADIENT | -.00641 | -.00005 | .00761 | -.00041 | -.00001 | .00139 | -.00083 | -.01848 | -.01240 | -.00017 |

OA66 B45C9 M7F8 W116E26V8R5X9 (RDX146) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0409 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 146/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .40210 | .05280 | .09250 | .40670 | -.01981 | -.02440 | .01390 | .20400 | .56800 | .04555 |
| .200 | -5.020 | .39390 | .05860 | .10080 | .39810 | -.01229 | -.01220 | .00980 | .10400 | .52800 | .03913 |
| .200 | -.030 | .38820 | .05940 | .11260 | .38770 | -.00907 | -.00480 | .00070 | .01600 | .54500 | .03632 |
| .200 | 4.980 | .38360 | .05980 | .11360 | .38730 | -.01526 | .00060 | -.01120 | -.07200 | .54400 | .03890 |
| .200 | 10.010 | .39960 | .04510 | .10420 | .40070 | -.02055 | .01530 | -.01670 | -.16700 | .55000 | .04408 |
| | GRADIENT | -.00101 | -.00048 | .00128 | -.00108 | -.00030 | .00128 | -.00210 | -.01700 | -.00140 | -.00002 |

OA86 B45C9 M7F8 W116E26V8R5X9 (RDX147) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 147/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.0[illegible] | .68390 | .13340 | .08480 | .69480 | -.05301 | -.02230 | .01920 | .20300 | .60700 | .04407 |
| .200 | -5.020 | .66090 | .13260 | .10240 | .67240 | -.04757 | -.01030 | .01080 | .09900 | .59600 | .03981 |
| .200 | -.010 | .6615[illegible] | .12850 | .11370 | .67190 | -.05164 | -.00540 | -.00150 | .01400 | .58900 | .04008 |
| .200 | 4.99[illegible] | .66330 | .12300 | .11330 | .67220 | -.05756 | .00360 | -.01150 | -.07600 | .59000 | .03980 |
| .200 | 10.010 | .67660 | .11780 | .09600 | .68360 | -.06607 | .01700 | -.02250 | -.18100 | .60000 | .04369 |
| | GRADIENT | .00024 | -.00096 | .00109 | -.00002 | -.00100 | .00139 | -.00223 | -.01748 | -.00060 | -.00000 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX148) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 148/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00, 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.160 | -.28000 | .06110 | .09320 | -.28370 | .04070 | -.00140 | .00560 | -.01400 | .77300 | .04170 |
| .200 | -2.090 | -.19495 | .05020 | .09670 | -.19660 | .04312 | -.00170 | .00350 | -.01110 | .83300 | .04132 |
| .200 | -1.050 | -.15260 | .04580 | .09940 | -.15340 | .04301 | -.00210 | .00340 | -.01000 | .89000 | .04062 |
| .200 | -.040 | -.10770 | .04270 | .10080 | -.10770 | .04261 | -.00230 | .00310 | -.00900 | .99600 | .03976 |
| .200 | .975 | -.06130 | .03950 | .11270 | -.06060 | .04059 | -.00250 | .00310 | -.00800 | 1.27500 | .03951 |
| .200 | 2.004 | -.01390 | .03860 | .10300 | -.01250 | .03913 | -.00260 | .00300 | -.00700 | 3.66200 | .03884 |
| .200 | 4.060 | .08520 | .03750 | .10410 | .08770 | .03144 | -.00230 | .00330 | -.00600 | .21500 | .03783 |
| .200 | 6.120 | .18160 | .04210 | .10640 | .18510 | .02251 | -.00230 | .00330 | -.00500 | .44000 | .03658 |
| .200 | 8.190 | .28040 | .04910 | .10840 | .28460 | .00869 | -.00220 | .00310 | -.00400 | .51100 | .03523 |
| .200 | 10.240 | .38[illegible] | .06120 | .11170 | .38550 | -.00737 | -.00380 | .00120 | .00100 | .54533 | .03610 |
| .200 | 12.330 | .48[illegible] | .08160 | .11440 | .49330 | -.02424 | -.00450 | -.00[illegible]1 | .00400 | .56[illegible] | .03[illegible] |
| .200 | 14.350 | .59340 | .11040 | .11360 | .60820 | -.04126 | -.00400 | -.00[illegible]30 | .00500 | .58[illegible] | .04[illegible] |
| .200 | 16.410 | .71400 | .15330 | .11160 | .72820 | -.05465 | -.00380 | -.00[illegible]30 | .00500 | .5[illegible]00 | .04113 |
| .200 | 18.490 | .82790 | .21660 | .10510 | .8[illegible] | -.05708 | -.00320 | -.00330 | -.00400 | .6[illegible]7 | .[illegible] |
| .200 | 20.560 | .95910 | .28550 | .09510 | .99630 | -.06255 | -.00130 | -.00190 | .00100 | .6[illegible] | .[illegible] |
| .200 | 22.630 | 1.08700 | .35780 | .09160 | 1.12250 | -.06835 | .00150 | -.00190 | -.00100 | .622[illegible] | .[illegible] |
| .200 | 24.690 | 1.12200 | .42670 | .10140 | 1.19820 | -.06121 | .00020 | -.00160 | .00100 | .62[illegible] | .05338 |
| .200 | 26.720 | 1.13650 | .48510 | .12350 | 1.23330 | -.07769 | -.00040 | -.00060 | .00500 | .6150[illegible] | .[illegible] |
| .200 | 28.7[illegible] | .98450 | .47[illegible] | .16[illegible] | 1.09350 | -.05299 | -.00020 | -.00630 | .0040[illegible] | .5[illegible] | .07443 |
| .200 | 30.750 | .92750 | .5[illegible] | .[illegible] | 1.05570 | -.03902 | -.00010 | .00020 | .00500 | .57[illegible] | .07610 |
| | GRADIENT | .4443 | -.[illegible] | [illegible] | .4518 | -.[illegible]110 | -.00013 | -.[illegible]24 | .00198 | .08[illegible] | -.[illegible]50 |

OA66 B44C9 M7F8 W116E26V8R5X9 (RDX149) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 149/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | -.06330 | .03480 | .07750 | -.06330 | .03479 | -.01870 | .00830 | .18400 | 1.10200 | .04673 |
| .200 | -5.000 | -.09110 | .04030 | .09260 | -.09110 | .04033 | -.01000 | .00540 | .08800 | 1.02600 | .04168 |
| .200 | -.010 | -.10460 | .04190 | .10160 | -.10460 | .04185 | -.00270 | .00090 | -.00200 | 1.00900 | .03939 |
| .200 | 5.000 | -.10080 | .04210 | .09920 | -.10090 | .04204 | .00200 | -.00330 | -.08200 | 1.01400 | .04104 |
| .200 | 10.020 | -.06270 | .02900 | .07250 | -.06280 | .02899 | .01260 | -.00560 | -.18100 | 1.06100 | .04700 |
| | GRADIENT | -.00097 | .00018 | .00066 | -.00098 | .00017 | .00120 | -.00087 | -.01700 | -.00120 | -.00006 |

OA66 B44C9 M7F8 W116E26V8R5X9 (RDX150) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 150/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .15760 | .03120 | .07940 | .15980 | .01711 | -.02010 | .01150 | .19200 | .44600 | .04423 |
| .200 | -5.000 | .13330 | .03570 | .10270 | .14190 | .02311 | -.01050 | .00520 | .08700 | .38500 | .04068 |
| .200 | -.010 | .13880 | .03750 | .10660 | .14160 | .02503 | -.00170 | .00030 | -.00300 | .37400 | .03728 |
| .200 | 5.000 | .13460 | .03430 | .10950 | .13750 | .02224 | .00330 | -.00350 | -.09800 | .35800 | .03917 |
| .200 | 10.020 | .14770 | .03240 | .11170 | .14930 | .01166 | .01410 | -.01110 | -.18500 | .41100 | .04402 |
| | GRADIENT | -.00145 | -.00014 | .00068 | -.00146 | -.00069 | .00138 | -.00097 | -.01418 | -.00270 | -.00047 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX151) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 151/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .40360 | .05240 | .09430 | .40650 | -.02025 | -.02370 | .01460 | .20100 | .56600 | .04517 |
| .200 | -5.020 | .39390 | .05860 | .10110 | .39810 | -.01205 | -.01190 | .00960 | .19800 | .55800 | .03836 |
| .200 | -.010 | .37680 | .05920 | .11450 | .38550 | -.00891 | -.00460 | -.00410 | .20830 | .54200 | .03592 |
| .200 | 5.010 | .38160 | .05360 | .11460 | .38450 | -.01485 | .00130 | -.01130 | -.07200 | .54200 | .03803 |
| .200 | 10.010 | .39750 | .04450 | .10490 | .39950 | -.02688 | .01590 | -.01680 | -.18100 | .55500 | .04406 |
| | GRADIENT | -.00131 | -.00053 | .00135 | -.00138 | -.00028 | .00132 | -.00209 | -.01697 | -.00161 | -.00093 |

OA86 B44C9 M7F8 W116E26V8R5X9 (RDX152) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 152/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .68040 | .13540 | .08500 | .69140 | -.05213 | -.02210 | .01920 | .20200 | .60600 | .04395 |
| .200 | -5.020 | .65950 | .13270 | .10260 | .67110 | -.04711 | -.01150 | .01120 | .19300 | .59500 | .03871 |
| .200 | -.020 | .65950 | .12870 | .11350 | .67000 | -.05104 | -.00550 | -.00150 | .21500 | .58900 | .03475 |
| .200 | 5.010 | .66070 | .12340 | .11290 | .66990 | -.05599 | .00340 | -.00140 | -.07700 | .59000 | .03424 |
| .200 | 10.010 | .67760 | .11470 | .09520 | .68500 | -.06446 | .01690 | -.02200 | -.18300 | .60100 | .03982 |
| | GRADIENT | .00212 | -.00169 | .00181 | -.00212 | -.00389 | .00137 | -.00225 | -.01745 | -.00250 | -.00185 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RC*153) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2486 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 10.1575 INCHES |
| SCALE = | .475 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 153/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2 K | -4.130 | -.25470 | .06180 | .08290 | -.25850 | .04330 | -.00250 | .00330 | -.00300 | .77000 | .04325 |
| .2 K | -2.07 | -.16650 | .0515 | .08630 | -.17010 | .04545 | -.00240 | .00260 | -.00190 | .83200 | .04213 |
| .2 K | -1.04 | -.12950 | .04790 | .08960 | -.13040 | .04561 | -.00270 | .00150 | .00100 | .90 5 | .04117 |
| .2 K | - .010 | -.09260 | .04570 | .09410 | -.09260 | .04575 | -.00 20 | .00 10 | -.00 00 | 1.1 500 | .04075 |
| .2 K | .040 | -.05110 | .04340 | . 8670 | -.05130 | .04420 | .00 40 | .00360 | -.00 00 | 1.75 0 | .04032 |
| .2 K | 2.12 | -.01290 | .04090 | .09960 | -.01310 | .04137 | .00150 | .00610 | -.01450 | 4.11 00 | .03902 |
| .2 K | 4.160 | .02130 | .04040 | .10160 | .02130 | .03456 | .00020 | .00720 | -.01570 | .47500 | .03731 |
| .2 K | 6.130 | .16760 | .04310 | .10 24 | .18730 | .02322 | .00210 | .00760 | -.01570 | .45100 | .03701 |
| .2 K | 8.11 | .25040 | .05 4 | .10 22 | .29120 | .00952 | .00290 | . 08 | - 14 | .42200 | .03527 |
| .2 K | 10.25 | .39180 | .06290 | .10 4 | .39670 | -.00775 | .00160 | .00760 | -.01100 | .59500 | .03619 |
| .2 K | 12.31 | .49650 | .08 4 | .10 50 | .50250 | -.02569 | .00060 | .00620 | -.01 00 | .6740 | . 3742 |
| .2 K | 14.37 | .60620 | .1154 | .10440 | .61540 | -.04062 | .00060 | . 57 | -.01 00 | .6800 | . 3657 |
| .2 K | 16.42 | .72310 | .15 0 | .09980 | .7360 | -.05367 | .00 37 | .00660 | - 14 | .6820 | .04177 |
| .2 K | 18.490 | .83410 | .22 4 | .09260 | 86.8 | -.05594 | .00480 | .00720 | -.01 00 | .6120 | .04571 |
| .2 K | 20.570 | .96330 | .26 30 | .08190 | 1. 07 | -. 6984 | .00 50 | .00410 | -. 00 | .6 0 | .04321 |
| .2 K | 22.620 | 1.06470 | .358 7 | .07740 | 1.16 57 | -.07910 | .00361 | .00 4 | -. 00 | .6 0 | 55 |
| .2 K | 24.69 | 1 .17 | .475 | .09 20 | 1.1453 | -.08188 | . 35 | .00 37 | .01 | .6 4 | . 5504 |
| .2 K | 26.72 | 1 . 06 | .4 3 | .11367 | 1.12 3 | -.07765 | -.00 20 | . 35 | . 5 | .6350 | . 66 9 |
| .2 K | 28.710 | .96 7 | .484 | .16 7 | 1. 4320 | -.05819 | -.00350 | . | -.01 | .69 | .07514 |
| .2 K | 30.75 | .9143 | .5 0 | .1 4 | 1.0426 | -. 3557 | -.00 0 | 1 | . | .4 | . 76 4 |
| | GRADIENT | .14 4 | -. 0 | .0 55 | .1431 | -. 4 | . 3 | .00 57 | -. 01 | .11 7 | -. 6 |

OA86 B48C9 M7F8 W116E26V8R5X9 (RDX154) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 154/ D RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CA | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.25410 | .06260 | .08270 | -.25800 | .04423 | -.00440 | .00320 | -.00200 | .77000 | .04237 |
| .200 | -2.070 | -.16980 | .05230 | .08580 | -.17160 | .04621 | -.00430 | .00250 | .00000 | .83600 | .04142 |
| .200 | -1.050 | -.13340 | .04850 | .09070 | -.13420 | .04604 | -.00380 | .00180 | .00000 | .90000 | .04116 |
| .200 | -.020 | -.09100 | .04750 | .09330 | -.09100 | .04747 | -.00210 | .00270 | -.00500 | 1.02900 | .03936 |
| .200 | 1.000 | -.04910 | .04420 | .09600 | -.04830 | .04514 | -.00130 | .00400 | -.00800 | 1.38300 | .03887 |
| .200 | 2.020 | -.01360 | .04070 | .10020 | -.01210 | .04125 | -.00010 | .00660 | -.01400 | 3.67600 | .03933 |
| .200 | 4.070 | .08140 | .04080 | .10160 | .08410 | .03497 | .00040 | .00770 | -.01600 | .20700 | .03739 |
| .200 | 6.130 | .18550 | .04440 | .10160 | .18920 | .02431 | .00040 | .00830 | -.01500 | .45400 | .03542 |
| .200 | 8.200 | .28820 | .05120 | .10150 | .29260 | .00952 | .00040 | .00860 | -.01400 | .52400 | .03535 |
| .200 | 10.250 | .39130 | .06370 | .10250 | .39640 | -.00695 | -.00030 | .00830 | -.01200 | .55600 | .03486 |
| .200 | 12.320 | .49750 | .08340 | .10470 | .50330 | -.02455 | -.00130 | .00690 | -.00700 | .57500 | .03604 |
| .200 | 14.370 | .61220 | .11500 | .10260 | .62160 | -.04059 | -.00090 | .00660 | -.00800 | .59100 | .03873 |
| .200 | 16.430 | .72370 | .15850 | .10100 | .73830 | -.05254 | -.00110 | .00740 | -.00600 | .60100 | .04104 |
| .200 | 18.500 | .83610 | .22150 | .09480 | .86320 | -.05535 | .00340 | .00870 | -.01200 | .61100 | .04506 |
| .200 | 20.560 | .95290 | .28690 | .08420 | .99300 | -.06613 | .00270 | .00950 | -.00900 | .62000 | .04627 |
| .200 | 22.630 | 1.06890 | .35920 | .08130 | 1.12480 | -.07980 | .00130 | .00900 | -.00900 | .62500 | .05194 |
| .200 | 24.680 | 1.11790 | .42530 | .09380 | 1.19330 | -.08039 | -.00150 | .00510 | .00100 | .62300 | .05658 |
| .200 | 26.730 | 1.13130 | .48210 | .11600 | 1.22730 | -.07826 | -.00250 | .00340 | .00400 | .61750 | .06772 |
| .200 | 28.720 | 1.00660 | .49230 | .16660 | 1.11940 | -.05198 | -.00440 | .00200 | -.01500 | .59700 | .07322 |
| .200 | 30.740 | .91710 | .50580 | .18940 | 1.04680 | -.03405 | .00060 | .00380 | -.00200 | .58500 | .07276 |
| | GRADIENT | .04044 | -.00267 | .00255 | .04125 | -.00111 | .00070 | .00066 | -.00214 | .09082 | -.00061 |

0A86 B46C9 M7F8 W116E26V8R5X9 (RDX155) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 155/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.24560 | .05360 | .07200 | -.24880 | .03576 | -.00120 | .00210 | -.00800 | .75800 | .04020 |
| .200 | -2.090 | -.16190 | .04400 | .07570 | -.16340 | .03812 | -.00150 | .00080 | -.00400 | .82200 | .03840 |
| .200 | -1.050 | -.12130 | .04120 | .07860 | -.12200 | .03897 | -.00020 | .00060 | -.00700 | .88900 | .03808 |
| .200 | -.030 | -.08140 | .03890 | .08200 | -.08150 | .03888 | .00070 | .00170 | -.01000 | 1.02200 | .03729 |
| .200 | .990 | -.03900 | .03610 | .08510 | -.03840 | .03679 | .00170 | .00290 | -.01300 | 1.46700 | .03705 |
| .200 | 2.010 | -.00293 | .03390 | .08840 | -.00170 | .03398 | .00280 | .00550 | -.01900 | 19.42400 | .03568 |
| .200 | 4.060 | .09200 | .03180 | .09120 | .09400 | .02525 | .00320 | .00620 | -.02000 | .29500 | .03592 |
| .200 | 6.130 | .19310 | .03620 | .09120 | .19590 | .01534 | .00330 | .00690 | -.02100 | .48000 | .03352 |
| .200 | 8.180 | .29470 | .04380 | .09130 | .29790 | .00146 | .00320 | .00720 | -.01900 | .53900 | .03345 |
| .200 | 10.230 | .39700 | .05730 | .09230 | .40090 | -.01411 | .00280 | .00720 | -.01700 | .56700 | .03304 |
| .200 | 12.290 | .50400 | .07580 | .09310 | .50850 | -.03325 | .00110 | .00510 | -.01200 | .58400 | .03480 |
| .200 | 14.360 | .61650 | .10870 | .09130 | .62420 | -.04762 | .00130 | .00490 | -.01100 | .59800 | .03562 |
| .200 | 16.460 | .73620 | .15410 | .08840 | .74970 | -.06078 | .00060 | .00550 | -.00700 | .60800 | .03849 |
| .200 | 18.490 | .84440 | .21900 | .08080 | .87030 | -.06012 | .00540 | .00700 | -.01500 | .61700 | .04289 |
| .200 | 20.550 | .96080 | .28450 | .07220 | .99950 | -.07098 | .00430 | .00770 | -.01250 | .62500 | .04659 |
| .200 | 22.620 | 1.06900 | .35210 | .07030 | 1.12220 | -.08625 | .00440 | .00760 | -.01500 | .62900 | .04990 |
| .200 | 24.660 | 1.12690 | .41820 | .08140 | 1.19870 | -.09027 | .00080 | .00380 | -.00300 | .62700 | .05535 |
| .200 | 26.700 | 1.14130 | .47740 | .10080 | 1.23410 | -.08648 | .00050 | .00250 | -.00200 | .62200 | .06554 |
| .200 | 28.710 | .99200 | .47850 | .15560 | 1.09990 | -.05691 | .00410 | -.00270 | -.00400 | .60000 | .07151 |
| .200 | 30.720 | .92830 | .50180 | .17290 | 1.05440 | -.04288 | .00230 | .00320 | -.00900 | .59100 | .07327 |
| | GRADIENT | .04068 | -.00261 | .00[illegible] | .04131 | -.00122 | .00065 | .00065 | -.00195 | .83330 | -.00055 |

0A86 B46C9 M7F8 W116E26V8R5X9 (RDX156) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 156/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.05180 | .02820 | .06220 | -.05180 | .02827 | -.00480 | .00900 | .16700 | 1.09400 | .04341 |
| .200 | -5.020 | -.07640 | .03640 | .07210 | -.07650 | .03638 | -.00250 | .00470 | .06900 | .99900 | .03900 |
| .200 | .010 | -.08020 | .03800 | .08170 | -.08020 | .03802 | -.00030 | .00075 | -.00500 | 1.02600 | .04178 |
| .200 | 5.030 | -.06100 | .03290 | .07100 | -.06100 | .03288 | .00240 | -.00470 | -.03070 | 1.08200 | .03894 |
| .200 | 10.030 | -.04330 | .02590 | .05900 | -.04330 | .02594 | .00220 | -.00510 | -.17700 | 1.15200 | .04[illegible] |
| | GRADIENT | .00153 | -.00035 | -.00011 | .00154 | -.00035 | .00049 | -.00136 | -.01582 | .00806 | -.00[illegible] |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX157) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 157/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .17160 | .02820 | .06700 | .17340 | .01283 | -.00860 | .01230 | .17100 | .50900 | .04145 |
| .200 | -5.020 | .15000 | .03250 | .07490 | .15230 | .01905 | -.00620 | .00590 | .08600 | .47100 | .03783 |
| .200 | -.010 | .14510 | .03470 | .08250 | .14760 | .02170 | .00100 | .00630 | -.01600 | .44600 | .03475 |
| .200 | 5.000 | .16320 | .03240 | .07370 | .16540 | .01776 | -.00160 | -.00250 | -.09500 | .48800 | .03707 |
| .200 | 10.030 | .18819 | .02570 | .06030 | .18970 | .00887 | .00940 | -.00780 | -.18700 | .53500 | .04204 |
| | GRADIENT | .00132 | -.00001 | -.00012 | .00131 | -.00013 | .00046 | -.00084 | -.01806 | .00170 | -.00008 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX158) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 158/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .41320 | .05200 | .06390 | .41590 | -.02230 | -.01470 | .01240 | .18600 | .59500 | .04206 |
| .200 | -5.020 | .40430 | .05740 | .07040 | .40810 | -.01539 | -.00780 | .01040 | .08500 | .58800 | .03683 |
| .200 | -.010 | .40300 | .05800 | .08020 | .40690 | -.01453 | -.00140 | .00580 | -.00900 | .57900 | .03337 |
| .200 | 5.000 | .40990 | .05190 | .07500 | .41260 | -.02183 | .00060 | -.00430 | -.09100 | .58500 | .03499 |
| .200 | 10.030 | .42480 | .04740 | .06160 | .42650 | -.02896 | .01470 | -.01030 | -.19300 | .59800 | .04020 |
| | GRADIENT | .00156 | -.00055 | .00046 | .00145 | -.00064 | .00084 | -.00147 | -.01756 | -.00030 | -.00018 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX159) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 159/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .68180 | .12590 | .07560 | .69080 | -.05972 | -.01110 | .02010 | .18300 | .61100 | .04310 |
| .200 | -5.040 | .67570 | .12740 | .08690 | .68530 | -.05659 | -.00710 | .01350 | .08500 | .60500 | .03819 |
| .200 | -.030 | .67970 | .12540 | .09530 | .68860 | -.05964 | -.00300 | .00420 | .00000 | .60100 | .03742 |
| .200 | 5.010 | .68450 | .12150 | .08990 | .69210 | -.06475 | .00410 | -.00540 | -.08800 | .60400 | .03743 |
| .200 | 10.020 | .69260 | .11640 | .07910 | .69860 | -.07181 | .00960 | -.01500 | -.18500 | .61000 | .04251 |
| | GRADIENT | .00088 | -.00059 | .00030 | .00068 | -.00081 | .00111 | -.00188 | -.01721 | -.00010 | -.00008 |

OA86 B47C9 M7F8 W116E26V8R5X9 (RDX160) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 160/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.25710 | .06320 | .08400 | -.26100 | .04452 | -.00060 | .00250 | -.00800 | .77000 | .03897 |
| .200 | -2.090 | -.17460 | .05320 | .08750 | -.17650 | .04684 | -.00110 | .00150 | -.00600 | .83400 | .03740 |
| .200 | -1.050 | -.13450 | .04850 | .09090 | -.13560 | .04607 | -.00120 | .00100 | -.00400 | .89900 | .03685 |
| .200 | -.030 | -.09370 | .04680 | .09430 | -.09370 | .04676 | .00110 | .00210 | -.01100 | 1.02200 | .03712 |
| .200 | .990 | -.05600 | .04460 | .09630 | -.05520 | .04558 | .00250 | .00350 | -.01400 | 1.29300 | .03574 |
| .200 | 2.000 | -.01500 | .04110 | .10030 | -.01350 | .04165 | .00300 | .00561 | -.02000 | 3.37200 | .03542 |
| .200 | 4.060 | .07930 | .04010 | .10160 | .08190 | .03440 | .00370 | .00690 | -.02200 | .. 9500 | .03446 |
| .200 | 6.120 | .18070 | .04270 | .10130 | .18430 | .02322 | .00360 | .00720 | -.02000 | .44900 | .03248 |
| .200 | 8.180 | .28430 | .04970 | .10050 | .28850 | .00875 | .00380 | .00770 | -.02300 | .52300 | .03198 |
| .200 | 10.230 | .38680 | .06180 | .10150 | .39160 | -.0 767 | .00320 | .00750 | -.01[illegible] | .556 | .03210 |
| .200 | 12.310 | .48450 | .08010 | .10310 | .49040 | -.02501 | .00170 | .00570 | -.013[illegible] | .5740 | .03231 |
| .200 | 14.350 | .60320 | .11200 | .10120 | .61210 | -.04100 | .00170 | .00490 | -.011[illegible] | .59200 | .03467 |
| .200 | 16.410 | .71470 | .15510 | .10010 | .72940 | -.05316 | .00080 | .00630 | -.00900 | .60170 | .03651 |
| .200 | 18.500 | .82630 | .22070 | .09190 | A[illegible] | -.05293 | .00610 | .00810 | -.01700 | .61270 | .03998 |
| .200 | 20.550 | .94670 | .28470 | .08470 | .98640 | -.06577 | .00620 | .00890 | -.01630 | .62000 | .04231 |
| .200 | 22.610 | 1.04990 | .35320 | .08250 | 1.10420 | -.07740 | .00430 | .00740 | -.01400 | .624[illegible] | .04534 |
| .200 | 24.660 | 1.11160 | .42040 | .09090 | 1.18560 | -.09185 | .00110 | .00360 | -.01[illegible] | .623[illegible] | .05143 |
| .200 | 26.710 | 1.12550 | .48120 | .11120 | 1.22110 | -.10667 | .00010 | .00200 | .00000 | .61[illegible] | .05921 |
| .200 | 28.690 | .98640 | .48440 | .16480 | 1.09780 | -.04867 | .00130 | .00300 | -.01200 | .596[illegible] | .07013 |
| .200 | 30.710 | .91990 | .50600 | .18360 | 1.04[illegible] | -.03442 | .00160 | .00250 | -.00600 | .587[illegible] | .07510 |
| | GRADIENT | .04 56 | -.00280 | .00236 | .0[illegible]136 | -.0[illegible]119 | .00067 | .0[illegible]66 | -.00219 | . 7315 | -.00[illegible]54 |

OA86 B47C9 M7F8 W116E26V8R5X9 (RDX161) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 161/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | -.06360 | .03390 | .07730 | -.06360 | .03393 | -.00210 | .01090 | .18000 | 1.09900 | .04628 |
| .200 | -5.020 | -.08880 | .04180 | .09370 | -.08880 | .04183 | -.00910 | .00810 | .07200 | 1.04000 | .04013 |
| .200 | .000 | -.09330 | .04420 | .09810 | -.09330 | .04420 | -.00150 | .00040 | -.00400 | 1.03800 | .03760 |
| .200 | 5.010 | -.07190 | .03940 | .08720 | -.07190 | .03944 | .00470 | -.00330 | -.09400 | 1.09800 | .04022 |
| .200 | 10.040 | -.05260 | .03140 | .07670 | -.05260 | .03146 | .01290 | -.00720 | -.19200 | 1.18800 | .04755 |
| | GRADIENT | .00168 | -.00024 | -.00065 | .00168 | -.00024 | .00138 | -.00114 | -.01655 | .00578 | .00051 |

OA86 B47C9 M7F8 W116E26V8R5X9 (RDX162) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1873 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 162/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .16260 | .03280 | .08520 | .16490 | .01822 | -.01620 | .01390 | .18500 | .46250 | .04553 |
| .200 | -5.020 | .13930 | .03570 | .09860 | .14190 | .02320 | -.00760 | .00800 | .08900 | .39600 | .03845 |
| .200 | .000 | .13460 | .03770 | .10580 | .13760 | .02558 | .00130 | .00660 | -.01600 | .36900 | .03401 |
| .200 | 5.010 | .15350 | .03550 | .09710 | .15610 | .02169 | .00610 | -.00060 | -.10100 | .42300 | .03806 |
| .200 | 10.040 | .18030 | .02830 | .08440 | .18210 | .01213 | .01730 | -.00940 | -.20000 | .48100 | .04485 |
| | GRADIENT | .00141 | -.00002 | -.00015 | .00141 | -.00015 | .00137 | -.00086 | -.01894 | .00269 | -.00004 |

OA86 B47C9 M7F8 W116E26V8R5X9 (RDX163) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 163/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .40310 | .05330 | .08830 | .40620 | -.01926 | -.02120 | .01550 | .20000 | .57200 | .04382 |
| .200 | -5.010 | .39590 | .05730 | .09430 | .39980 | -.01397 | -.00960 | .01250 | .09200 | .56500 | .03850 |
| .200 | -.020 | .38940 | .05880 | .10390 | .39370 | -.01133 | .00000 | .00630 | -.00800 | .55400 | .03299 |
| .200 | 5.000 | .40080 | .05340 | .09550 | .40390 | -.01866 | .00630 | -.00480 | -.10200 | .56500 | .03605 |
| .200 | 10.030 | .41530 | .04550 | .09320 | .41680 | -.02911 | .02050 | -.01110 | -.20600 | .56900 | .04416 |
| | GRADIENT | .00249 | -.00039 | .00012 | .00041 | -.00047 | .00159 | -.00173 | -.01938 | .00000 | -.00024 |

OA86 B47C9 M7F8 W116E26V8R5X9 (RDX164) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 164/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .66990 | .13110 | .08360 | .68060 | -.05141 | -.01980 | .02230 | .20000 | .60600 | .04105 |
| .200 | -5.020 | .66280 | .13150 | .09700 | .67400 | -.04924 | -.00780 | .01500 | .09200 | .59900 | .03674 |
| .200 | .000 | .66290 | .13020 | .10650 | .67370 | -.05044 | -.00220 | .00460 | .00000 | .59300 | .03512 |
| .200 | 5.030 | .67040 | .12920 | .10050 | .68030 | -.05438 | .00630 | -.00550 | -.09500 | .59700 | .03560 |
| .200 | 10.030 | .68160 | .12320 | .08580 | .68990 | -.06233 | .01960 | -.01730 | -.20270 | .61900 | .04104 |
| | GRADIENT | .00076 | -.00033 | .00035 | .00063 | -.00051 | .00141 | -.00205 | -.01866 | -.02120 | -.00031 |

OA66 B46C9 M7F8 W116E26V8R5X9 (RDX165) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 165/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.25180 | .06380 | .08100 | -.25580 | .04557 | -.00020 | .00270 | -.00800 | .76800 | .03778 |
| .200 | -2.080 | -.17010 | .05340 | .08490 | -.17190 | .04725 | -.00080 | .00130 | -.00500 | .83300 | .03814 |
| .200 | -1.050 | -.12990 | .04910 | .08820 | -.13080 | .04676 | -.00010 | .00100 | -.00600 | .90000 | .03774 |
| .200 | -.020 | -.09120 | .04750 | .09130 | -.09120 | .04746 | .00130 | .00180 | -.01000 | 1.02000 | .03710 |
| .200 | .980 | -.04890 | .04440 | .09370 | -.04820 | .04526 | .00200 | .00330 | -.01400 | 1.36700 | .03672 |
| .200 | 2.020 | -.01070 | .04180 | .09700 | -.00920 | .04216 | .00300 | .00520 | -.01800 | 4.49900 | .03559 |
| .200 | 4.040 | .08070 | .04140 | .09860 | .08340 | .03568 | .00350 | .00630 | -.02000 | .21700 | .03416 |
| .200 | 6.120 | .18410 | .04430 | .09900 | .18780 | .02441 | .00320 | .00700 | -.02000 | .45800 | .03364 |
| .200 | 8.180 | .28510 | .05110 | .09900 | .28950 | .01004 | .00310 | .00720 | -.01800 | .52600 | .03222 |
| .200 | 10.230 | .38820 | .06210 | .10110 | .39310 | -.00784 | .00270 | .00690 | -.01600 | .55700 | .03372 |
| .200 | 12.310 | .49270 | .08190 | .10390 | .49880 | -.02507 | .00150 | .00550 | -.01300 | .57500 | .03349 |
| .200 | 14.380 | .60860 | .11350 | .10210 | .61770 | -.04101 | .00150 | .00520 | -.01200 | .59100 | .03516 |
| .200 | 16.420 | .72180 | .15580 | .09950 | .73640 | -.05459 | .00110 | .00610 | -.00900 | .60200 | .03863 |
| .200 | 18.490 | .83160 | .22120 | .09180 | .85890 | -.05404 | .00640 | .00760 | -.01600 | .61200 | .04147 |
| .200 | 20.560 | .95650 | .28560 | .08580 | .99590 | -.06845 | .00600 | .00850 | -.01400 | .62000 | .04620 |
| .200 | 22.620 | 1.05690 | .35430 | .08390 | 1.11190 | -.07957 | .00440 | .00690 | -.01200 | .62400 | .04923 |
| .200 | 24.660 | 1.10610 | .41850 | .09320 | 1.17980 | -.08125 | .00080 | .00380 | -.00300 | .62300 | .05214 |
| .200 | 26.710 | 1.11610 | .47700 | .11310 | 1.21140 | -.07567 | .00210 | .00230 | .00000 | .61700 | .05930 |
| .200 | 28.700 | .98940 | .48380 | .16960 | 1.19010 | -.05089 | .00260 | -.00390 | -.00300 | .59500 | .06966 |
| .200 | 30.720 | .91990 | .50370 | .19220 | 1.04810 | -.03695 | .00160 | .00030 | .00000 | .58400 | .07372 |
| | GRADIENT | .04031 | -.00274 | .00233 | .04112 | -.00119 | .00057 | .00057 | -.00191 | .13147 | -.00048 |

OA66 B46C9 M7F8 W116E26V8R5X9 (RDX166) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 166/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.06050 | .03540 | .07130 | -.06050 | .03540 | -.01500 | .00860 | .17900 | 1.[illegible] | .04228 |
| .200 | -5.030 | -.08850 | .04420 | .08540 | -.08850 | .04422 | -.00380 | .00910 | .07110 | 1.[illegible] | .03821 |
| .200 | .000 | -.08830 | .04680 | .09450 | -.08830 | .04678 | -.00050 | -.01[illegible] | -.00[illegible] | 1.[illegible] | .03[illegible] |
| .200 | 5.[illegible] | -.06970 | .[illegible]4110 | .08420 | -.06970 | .04108 | .00770 | -.0[illegible] | -.02[illegible] | 1.117[illegible] | .[illegible] |
| .200 | 10.02[illegible] | -.05170 | .03080 | .[illegible] | -.05170 | .03081 | .01880 | -.00550 | -.12[illegible] | 1.231[illegible] | .04222 |
| | GRADIENT | .00187 | -.[illegible] | .00[illegible] | .00187 | -.00031 | .00115 | -.00125 | -.01625 | .[illegible] | .00[illegible] |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX167) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 167/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .16240 | .03370 | .07990 | .16470 | .01910 | -.01570 | .01360 | .18100 | .47300 | .04091 |
| .200 | -5.020 | .14010 | .03750 | .09480 | .14290 | .02496 | -.00490 | .00710 | .08800 | .40700 | .03767 |
| .200 | .000 | .13760 | .03950 | .10030 | .14060 | .02721 | .00460 | .00710 | -.01600 | .38900 | .03450 |
| .200 | 5.000 | .15630 | .03640 | .09600 | .15890 | .02242 | .01020 | -.00030 | -.19100 | .42900 | .03609 |
| .200 | 10.030 | .18060 | .02610 | .09510 | .18220 | .00995 | .02360 | -.01000 | -.19800 | .45900 | .04218 |
| | GRADIENT | .00162 | -.00011 | .00012 | .00160 | -.00025 | .00151 | -.00074 | -.01886 | .00219 | -.00016 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX168) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 168/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .40610 | .05390 | .08520 | .40920 | -.01919 | -.01990 | .01460 | .19700 | .57500 | .04174 |
| .200 | -5.030 | .39870 | .05710 | .10170 | .40250 | -.01467 | -.00310 | .00970 | .09400 | .55300 | .03560 |
| .200 | .000 | .39290 | .05630 | .11390 | .39670 | -.01445 | .00620 | .00380 | -.09300 | .54600 | .03319 |
| .200 | 5.000 | .40[illegible] | .05030 | .10990 | .40850 | -.02262 | .00910 | -.00660 | -.09600 | .55300 | .03551 |
| .200 | 10.030 | .41670 | .04360 | .10710 | .41780 | -.03113 | .02400 | -.01220 | -.21100 | .55700 | .04130 |
| | GRADIENT | .00173 | -.00068 | .00082 | .00060 | -.00079 | .00122 | -.00162 | -.01655 | -.00060 | -.00051 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX169) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 169/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .67940 | .13310 | .07570 | .69040 | -.05205 | -.01800 | .02200 | .19700 | .61100 | .04177 |
| .200 | -5.020 | .67200 | .12980 | .10030 | .68230 | -.05327 | -.00190 | .01090 | .08900 | .59800 | .03814 |
| .200 | .000 | .67040 | .12870 | .10770 | .68050 | -.05391 | .00250 | .00330 | .00000 | .59300 | .03780 |
| .200 | 5.010 | .67800 | .12750 | .10070 | .68560 | -.05656 | .00860 | -.00590 | -.09200 | .59800 | .03874 |
| .200 | 10.040 | .68820 | .11950 | .09160 | .69520 | -.06754 | .02310 | -.01910 | -.19700 | .60300 | .04263 |
| | GRADIENT | .00340 | -.00023 | .00004 | .00033 | -.00033 | .00105 | -.00167 | -.01805 | -.00000 | .00006 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX170) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 170/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.25360 | .06140 | .08520 | -.25730 | .04299 | -.00010 | .00310 | -.00800 | .77400 | .04105 |
| .200 | -2.080 | -.16950 | .05000 | .08830 | -.17120 | .04387 | -.00080 | .00120 | -.00400 | .84200 | .04075 |
| .200 | -1.040 | -.13570 | .04920 | .09070 | -.13660 | .04673 | .00150 | .00200 | -.01000 | .89600 | .03334 |
| .200 | -.020 | -.09290 | .04480 | .09460 | -.09290 | .04479 | .00200 | .00230 | -.01200 | 1.02600 | .03964 |
| .200 | .960 | -.04860 | .04260 | .09580 | -.04790 | .04348 | .00260 | .00390 | -.01600 | 1.38800 | .03841 |
| .200 | 2.010 | -.01160 | .03890 | .09960 | -.01030 | .03932 | .00340 | .00560 | -.01900 | 4.21200 | .03902 |
| .200 | 4.080 | .08140 | .03920 | .10070 | .08400 | .03341 | .00350 | .00660 | -.02000 | .21100 | .03603 |
| .200 | 6.110 | .18260 | .04250 | .10050 | .18610 | .02288 | .00370 | .00770 | -.02000 | .45300 | .03440 |
| .200 | 8.170 | .28430 | .04830 | .10140 | .28830 | .00742 | .00370 | .00750 | -.01900 | .52200 | .03469 |
| .200 | 10.230 | .38860 | .05090 | .10270 | .39260 | -.00895 | .00310 | .00737 | -.01700 | .51500 | .03467 |
| .200 | 12.280 | .49440 | .07990 | .11470 | .50010 | -.02715 | .00200 | .00580 | -.01300 | .47500 | .03614 |
| .200 | 14.350 | .60660 | .11130 | .11350 | .61540 | -.04262 | .00190 | .00510 | -.01120 | .45100 | .03725 |
| .200 | 16.390 | .72170 | .15480 | .10210 | .73610 | -.05517 | .00140 | .00420 | -.00800 | .41500 | .03749 |
| .200 | 18.470 | .83680 | .21950 | .08330 | .86330 | -.05699 | .00060 | .00430 | -.01500 | .41100 | .04000 |
| .200 | 20.540 | .95410 | .28360 | .06870 | .99300 | -.05937 | .00640 | .00800 | -.01500 | .41100 | .04000 |
| .200 | 22.620 | 1.05350 | .35170 | .05780 | 1.10770 | -.05955 | .00510 | .00750 | -.01400 | .42100 | .04129 |
| .200 | 24.670 | 1.11470 | .42010 | .04900 | 1.18830 | -.06360 | .00180 | .00730 | -.01400 | .42100 | .04129 |
| .200 | 26.700 | 1.11450 | .47610 | .11650 | 1.20960 | -.07556 | .00190 | .00183 | -.00100 | .41000 | .04287 |
| .200 | 28.69? | .99140 | .4815 | .17 | 1.[illegible]90 | -.05334 | .00360 | .00223 | -.00800 | .59? | .07515 |
| .200 | 30.720 | .91210 | .5[illegible]1 | .1[illegible]5 | 1.03950 | -.03613 | .00220 | .00311 | -.01100 | .5[illegible] | .07471 |
| | GRADIENT | .04053 | -.00274 | .[illegible]2 | .04129 | -.00118 | .00056 | .00057 | -.00195 | .11544 | -.00057 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX171) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .145 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 171/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .240 | -10.020 | -.08010 | .03260 | .07590 | -.08010 | .03259 | -.01410 | .01990 | .07700 | 1.11600 | .04493 |
| .240 | -5.010 | -.08730 | .04210 | .09110 | -.08730 | .04211 | -.00490 | .00850 | .07200 | 1.03600 | .03988 |
| .240 | .000 | -.08770 | .04090 | .10390 | -.08770 | .04087 | .00180 | -.00090 | -.07300 | 1.04800 | .03947 |
| .240 | 5.000 | -.08760 | .03480 | .09850 | -.08770 | .03483 | .01060 | -.00370 | -.09200 | 1.18700 | .04076 |
| .240 | 10.040 | -.05170 | .02740 | .06420 | -.05170 | .02740 | .01850 | -.01550 | -.19100 | 1.25100 | .04607 |
| | GRADIENT | .00197 | -.00073 | .00074 | .00196 | -.00073 | .00155 | -.00122 | -.01638 | .01508 | .00119 |

OA86 B46C9 M7F8 W116E26V8R5X9 (FDX172) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 172/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .240 | -10.010 | .16310 | .05140 | .08390 | .16530 | .01640 | -.01480 | .01390 | [illegible] | .46500 | .04255 |
| .240 | -5.020 | .14190 | .03630 | .09820 | .14460 | .02357 | -.00560 | .00830 | [illegible] | .47200 | .03681 |
| .240 | -.010 | .13610 | .03410 | .11750 | .14050 | .02162 | .00930 | .00560 | -.16810 | .34400 | .03564 |
| .240 | 5.010 | .15660 | .02950 | .1.5 | .16070 | .01470 | .01700 | -.00250 | [illegible] | .38 .0 | .03803 |
| .240 | 10.030 | .18130 | .02940 | .09230 | .18200 | .00923 | .02.80 | -.01910 | -.13770 | .46600 | .04259 |
| | GRADIENT | .00167 | -.00074 | .00167 | .00161 | -.00088 | .00225 | -.00154 | -.01664 | -.00133 | -.00[illegible] |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX173) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 173/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .40790 | .05230 | .08890 | .41070 | -.02100 | -.02080 | .01480 | .19700 | .57200 | .04373 |
| .200 | -5.020 | .39720 | .05730 | .09840 | .40110 | -.01415 | -.00500 | .01050 | .08900 | .56100 | .03720 |
| .200 | -.020 | .39550 | .05660 | .11430 | .39920 | -.01459 | .00380 | .00410 | -.00900 | .54600 | .03541 |
| .200 | 5.000 | .40290 | .05000 | .11180 | .40540 | -.02233 | .01140 | -.00490 | -.09700 | .55000 | .03641 |
| .200 | 10.030 | .41850 | .04310 | .10660 | .41950 | -.03203 | .02510 | -.01210 | -.20000 | .55800 | .04275 |
| | GRADIENT | .00057 | -.00073 | .00134 | .00043 | -.00082 | .00164 | -.00154 | -.01856 | -.00110 | -.00008 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX174) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 174/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .67800 | .13120 | .08090 | .68850 | -.05339 | -.01840 | .02180 | .19700 | .60200 | .04249 |
| .200 | -5.010 | .67010 | .13010 | .10290 | .68060 | -.05243 | -.00270 | .01260 | .08800 | .59600 | .03871 |
| .200 | -.010 | .67150 | .12910 | .11160 | .68170 | -.05373 | .00140 | .00310 | -.00900 | .59100 | .03664 |
| .200 | 5.010 | .67450 | .12650 | .10250 | .68370 | -.05704 | .00910 | -.00580 | -.09300 | .59600 | .03872 |
| .200 | 10.030 | .68780 | .11760 | .09560 | .69440 | -.06907 | .02460 | -.01800 | -.19700 | .60100 | |
| | GRADIENT | .00042 | -.00036 | -.00004 | .00031 | -.00046 | .00118 | -.00184 | -.01856 | .00000 | |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX175) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000
N2FLOW = .050

RUN NO. 175/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.25350 | .06130 | .08410 | -.25730 | .04288 | -.00080 | .00280 | -.00700 | .77200 | .04236 |
| .200 | -2.060 | -.17020 | .05130 | .06850 | -.17190 | .04523 | -.00100 | .00140 | -.00400 | .84100 | .03960 |
| .200 | -1.050 | -.13240 | .04930 | .07160 | -.13330 | .04089 | .00060 | .00180 | -.00800 | .90500 | .03912 |
| .200 | -.020 | -.09180 | .04580 | .09520 | -.09190 | .04577 | .00150 | .00200 | -.01000 | 1.03300 | .03975 |
| .200 | .990 | -.04950 | .04270 | .09840 | -.04870 | .04358 | .00230 | .00400 | -.01400 | 1.39500 | .03892 |
| .200 | 2.010 | -.01240 | .03980 | .10180 | -.01100 | .04025 | .00340 | .00620 | -.02000 | 4.04500 | .03845 |
| .200 | 4.070 | .08250 | .03660 | .10350 | .08500 | .03265 | .00370 | .00700 | -.02100 | .20400 | .03772 |
| .200 | 6.130 | .18290 | .04220 | .10370 | .18630 | .02242 | .00350 | .00730 | -.01900 | .44700 | .03563 |
| .200 | 8.170 | .28630 | .04860 | .10340 | .29040 | .00737 | .00360 | .00770 | -.02000 | .52100 | .03565 |
| .200 | 10.230 | .38850 | .06160 | .10360 | .39320 | -.00841 | .00290 | .00720 | -.01500 | .55500 | .03470 |
| .200 | 12.300 | .49310 | .08100 | .10640 | .49900 | -.02583 | .00170 | .00560 | -.01200 | .57300 | .03530 |
| .200 | 14.360 | .61020 | .11260 | .10590 | .61970 | -.04261 | .00180 | .00510 | -.01100 | .58900 | .03615 |
| .200 | 16.420 | .71690 | .15450 | .10240 | .73330 | -.05507 | .00130 | .00650 | -.00990 | .60070 | .04044 |
| .200 | 18.480 | .83620 | .22140 | .09450 | .86330 | -.05518 | .00680 | .00460 | -.01600 | .61170 | .04543 |
| .200 | 20.550 | .94900 | .28430 | .08870 | .98640 | -.06688 | .00610 | .00870 | -.01400 | .61900 | .04693 |
| .200 | 22.620 | 1.06240 | .35590 | .08580 | 1.11760 | -.08012 | .00500 | .00760 | -.01400 | .62300 | .05146 |
| .200 | 24.670 | 1.11660 | .42130 | .09830 | 1.19460 | -.08328 | .00170 | .00360 | -.00300 | .62100 | .05804 |
| .200 | 26.710 | 1.12840 | .48110 | .11980 | 1.22420 | -.07758 | .00480 | .00200 | -.00200 | .61600 | .06625 |
| .200 | 28.690 | .94210 | .47370 | .17680 | 1.09370 | -.04728 | .00300 | -.00030 | -.00800 | .59200 | .07161 |
| .200 | 30.710 | .97050 | .50600 | .19650 | 1.04980 | -.03515 | .00210 | .00210 | -.01700 | .58300 | .07380 |
| | GRADIENT | .04151 | -.00280 | .00258 | .04127 | -.00126 | .00166 | .00166 | -.00218 | .10677 | -.00149 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX176) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000
N2FLOW = .050

RUN NO. 176/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | -.06740 | .03200 | .04330 | -.06740 | .03205 | -.01690 | .00190 | .00760 | 1.10700 | .04547 |
| .200 | -5.03 | -.07920 | .04120 | .07660 | -.07920 | .04124 | -.00290 | .00190 | .00760 | 1.04100 | .04200 |
| .200 | .00 | -.07930 | .04240 | .08670 | -.07921 | .04124 | .00130 | -.00020 | -.00480 | 1.00700 | .04231 |
| .200 | 5.00 | -.07940 | .03540 | .06770 | -.07941 | .03540 | .00480 | -.00190 | -.00760 | 1.00700 | .04231 |
| .200 | 10.040 | -.07552 | .02620 | .04470 | -.07552 | .02619 | .01360 | -.00380 | -.01520 | 1.00700 | .04546 |
| | GRADIENT | .00018 | -.00043 | .00004 | .00018 | -.00042 | .00133 | -.00114 | .00458 | .00000 | -.00011 |

OA66 B46C9 M7F8 W116E26V6R5X9 (RDX177) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .050

RUN NO. 177/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .16230 | .05190 | .08510 | .16450 | .01737 | -.01320 | .01470 | .18100 | .46100 | .04316 |
| .200 | -5.010 | .14390 | .03470 | .10420 | .14640 | .02182 | -.00400 | .00661 | .08800 | .39000 | .03948 |
| .200 | -.020 | .13910 | .03550 | .11430 | .14170 | .02310 | .00510 | .00513 | -.01600 | .35500 | .03627 |
| .200 | 5.000 | .15730 | .05210 | .10680 | .15950 | .01802 | .01100 | .00000 | -.10300 | .40500 | .03900 |
| .200 | 10.030 | .18110 | .02570 | .09460 | .18270 | .00956 | .01960 | -.00880 | -.19700 | .46100 | .04380 |
| | GRADIENT | .00134 | -.00026 | .00026 | .00131 | -.00038 | .00150 | -.00066 | -.01908 | .00151 | -.00005 |

OA66 B46C9 M7F8 W116E26V8R5X9 (RDX178) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AIL'ON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .050

RUN NO. 178/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .40690 | .05240 | .08950 | .40980 | -.02083 | -.02010 | .01550 | .19700 | .57100 | .04410 |
| .200 | -5.040 | .39740 | .05800 | .10[illegible] | .40140 | -.01363 | -.00670 | .01110 | .08[illegible] | .55900 | .03757 |
| .200 | -.010 | .39090 | .05780 | .1116[illegible] | .39490 | -.01255 | .00340 | .00520 | -.00900 | .54800 | .03[illegible]5 |
| .200 | 5.000 | .40170 | .05960 | .10750 | .40430 | -.02162 | .01120 | -.00410 | -.09700 | .55300 | .03[illegible]6 |
| .200 | 10.030 | .41990 | .04240 | .1[illegible]56 | .42070 | -.03291 | .02650 | -.01150 | -.20100 | .55900 | .[illegible]337 |
| | GRADIENT | .00043 | -.00074 | .00[illegible]5 | .00029 | -.00130 | .00168 | -.00151 | -.01843 | -.00060 | -.00007 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX179) ( 8 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .050

RUN NO. 179/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .87630 | .13130 | .08280 | .68690 | -.05296 | -.01770 | .02240 | .19600 | .60700 | .04257 |
| .200 | -5.010 | .66600 | .13230 | .10140 | .67720 | -.04926 | -.00710 | .01350 | .08700 | .59700 | .03880 |
| .200 | -.010 | .67000 | .12660 | .11960 | .67960 | -.05574 | .00360 | .00230 | .00000 | .58700 | .03867 |
| .200 | 5.040 | .67640 | .12030 | .12180 | .68400 | -.06368 | .01470 | -.00940 | -.09000 | .58600 | .03828 |
| .200 | 10.030 | .68760 | .11810 | .09930 | .69430 | -.06878 | .02290 | -.01860 | -.19600 | .59900 | .04294 |
| | GRADIENT | .00104 | -.00119 | .00203 | .00068 | -.00144 | .00217 | -.00228 | -.01761 | -.00109 | -.00005 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX180) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 180/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.16320 | .05280 | .04690 | -.16660 | .04100 | -.00200 | .00300 | -.00800 | .75500 | .04458 |
| .200 | -2.050 | -.08250 | .04850 | .05060 | -.08420 | .04560 | .00050 | .00370 | -.01500 | .87300 | .04334 |
| .200 | -1.030 | -.05000 | .04500 | .05650 | -.05080 | .04416 | .00030 | .00260 | -.01200 | 1.06100 | .04313 |
| .200 | .000 | -.01210 | .04220 | .06020 | -.01210 | .04228 | .00120 | .00460 | -.01700 | 2.48000 | .04230 |
| .200 | 1.000 | .02700 | .04050 | .06220 | .02780 | .04011 | .00190 | .00620 | -.02000 | -.17100 | .04121 |
| .200 | 2.050 | .07250 | .04020 | .06300 | .07390 | .03762 | .00190 | .00640 | -.02000 | .33600 | .04173 |
| .200 | 4.090 | .17510 | .04280 | .06220 | .17770 | .03019 | .00160 | .00700 | -.02000 | .52300 | .04044 |
| .200 | 6.170 | .27620 | .04860 | .06220 | .27990 | .01863 | .00120 | .00710 | -.01600 | .57000 | .03708 |
| .200 | 8.200 | .37650 | .05790 | .06270 | .38090 | .00359 | .00050 | .00780 | -.01300 | .53100 | .03502 |
| .200 | 10.270 | .48050 | .07350 | .06480 | .48590 | -.01337 | .00030 | .00730 | -.01400 | .60300 | .03314 |
| .200 | 12.350 | .58860 | .09680 | .06670 | .59570 | -.03140 | -.00030 | .00590 | -.01300 | .61[illegible] | .[illegible] |
| .200 | 14.400 | .70020 | .13200 | .06470 | .71110 | -.04636 | .00000 | .00580 | -.01700 | .[illegible] | .[illegible] |
| .200 | 16.450 | .80810 | .17910 | .06250 | .82570 | -.05709 | -.00050 | .00720 | -.02100 | .[illegible] | .04147 |
| .200 | 18.520 | .92260 | .24830 | .05580 | .95370 | -.06763 | .00030 | .00900 | -.01700 | .63[illegible] | .[illegible] |
| .200 | 20.590 | 1.04920 | .32160 | .04720 | 1.09530 | -.06731 | .00200 | .00930 | -.[illegible] | .635[illegible] | .[illegible] |
| .200 | 22.650 | 1.13730 | .38890 | .04670 | 1.19930 | -.07918 | .00330 | .00740 | -.[illegible] | .647[illegible] | .[illegible] |
| .200 | 25.72[illegible] | 1.17490 | .48160 | .07610 | 1.26750 | -.07533 | -.00010 | .00230 | -.[illegible] | .65[illegible] | .[illegible] |
| .200 | 26.740 | 1.17150 | .50610 | .08530 | 1.27330 | -.07528 | -.00150 | .00210 | -.[illegible] | .[illegible] | .[illegible] |
| .200 | 28.710 | 1.03550 | .50840 | .15710 | 1.1525[illegible] | -.05167 | -.00100 | .00150 | -.[illegible] | .[illegible] | .[illegible] |
| .200 | 30.740 | .95610 | .52820 | .17620 | 1.09170 | -.03419 | -.00150 | .00[illegible] | -.[illegible] | .[illegible] | .[illegible] |
| | GRADIENT | .04048 | -.00142 | .00213 | .04122 | -.00147 | .00044 | .00053 | -.[illegible] | -.[illegible] | -.[illegible] |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX181) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 181/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -9.990 | .02440 | .03510 | .02600 | .02450 | .03512 | -.01590 | .01000 | .17900 | .26100 | .04711 |
| .200 | -5.000 | -.00250 | .04240 | .03730 | -.00250 | .04248 | -.00440 | .00920 | .07400 | 6.07700 | .04493 |
| .200 | .000 | -.01590 | .04280 | .05320 | -.01530 | .04283 | .00100 | .00260 | -.01300 | 1.87700 | .04364 |
| .200 | 5.010 | .00970 | .04160 | .04380 | .00970 | .04167 | .00310 | -.00520 | -.08800 | -.99300 | .04504 |
| .200 | 10.020 | .03230 | .02880 | .03480 | .03230 | .02887 | .01340 | -.00710 | -.19500 | .25600 | .04918 |
| | GRADIENT | .00122 | -.00008 | .00065 | .00122 | -.00008 | .00075 | -.00144 | -.01618 | -.70625 | .00001 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX182) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 182/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .24810 | .03620 | .03980 | .25040 | .01387 | -.01730 | .01330 | .18400 | .59300 | .04641 |
| .200 | -4.990 | .23070 | .04260 | .04580 | .23360 | .02183 | -.00680 | .00720 | .09200 | .57900 | .04348 |
| .200 | -.010 | .23010 | .04510 | .05040 | .23320 | .02439 | .00250 | .00750 | -.01600 | .57250 | .04085 |
| .200 | 5.010 | .24080 | .03790 | .05280 | .24320 | .01625 | .00970 | .00040 | -.10900 | .57200 | .04278 |
| .200 | 10.020 | .26450 | .03060 | .05020 | .26610 | .00679 | .01950 | -.01160 | -.20100 | .58200 | .04615 |
| | GRADIENT | .00101 | -.00047 | .00070 | .00096 | -.00056 | .00165 | -.00068 | -.02010 | -.00070 | -.00007 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX183) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 183/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .49590 | .06550 | .04300 | .49960 | - 02396 | -.02170 | .01520 | .20100 | .62000 | .04725 |
| .200 | -5.000 | .49000 | .06870 | .05520 | .49440 | -.01967 | -.00500 | .00900 | .00900 | .61100 | .04180 |
| .200 | -.010 | .48480 | .06950 | .06690 | .48950 | -.01805 | .00500 | .00400 | -.00700 | .60100 | .03883 |
| .200 | 5.010 | .49630 | .06250 | .06530 | .49950 | -.02692 | .00890 | -.00650 | -.09800 | .60400 | .04128 |
| .200 | 10.040 | .50730 | .05670 | .06140 | .50930 | -.03468 | .02020 | -.01390 | -.20400 | .60700 | .04602 |
| | GRADIENT | .00063 | -.00062 | .00101 | .00051 | -.00073 | .00139 | -.00155 | -.01868 | -.00070 | -.00005 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX184) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = 000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 184/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .76290 | .15360 | .04430 | .77630 | -.05476 | -.01870 | .02410 | .20000 | .63100 | .04505 |
| .200 | -5.030 | .75540 | .15280 | .06380 | .76880 | -.05363 | -.00070 | .01360 | .00600 | .62100 | .04126 |
| .200 | .000 | .75850 | .14970 | .07310 | .77100 | -.05742 | .00280 | .00440 | -.00200 | .61700 | .04091 |
| .200 | 5.000 | .76190 | .15040 | .06260 | .77450 | -.05758 | .00650 | -.00660 | -.09300 | .62200 | .04036 |
| .200 | 10.010 | .77360 | .14190 | .05410 | .78340 | -.06898 | .01830 | -.02130 | -.19800 | .62600 | .04464 |
| | GRADIENT | .00065 | -.00024 | -.00012 | .00057 | -.00039 | .00072 | -.00201 | -.01785 | .00010 | -.00019 |

0A86 B46C9 M7F8 W116E26V8R5X9 (ROx185) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPD BK = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 185/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.16750 | .05450 | .04330 | -.17100 | .04242 | -.00020 | .00410 | -.010000 | .74500 | .04533 |
| .200 | -2.060 | -.09150 | .04910 | .04080 | -.09330 | .04582 | .00250 | .00490 | -.016000 | .84400 | .04364 |
| .200 | -1.040 | -.05800 | .04560 | .03300 | -.05880 | .04456 | .00290 | .00520 | -.014000 | .923.0 | .04268 |
| .200 | .000 | -.01560 | .04350 | .03510 | -.01560 | .04 60 | .00310 | .00625 | -.020000 | 1.953?0 | .04246 |
| .200 | 1.010 | .02940 | .04290 | .03620 | .03020 | .04239 | .00350 | .00680 | -.021000 | -.03300 | .04076 |
| .200 | 2.030 | .07550 | .04280 | .03600 | .07700 | .04019 | .00370 | .00720 | -.022000 | .38400 | .04032 |
| .200 | 4.090 | .17520 | .04400 | .03630 | .17790 | .03142 | .00350 | .00780 | -.021000 | .53510 | .04076 |
| .200 | 6.150 | .27530 | .04990 | .03660 | .27900 | .02015 | .00320 | .00 40 | -.024000 | .57700 | .03909 |
| .200 | 8.220 | .37680 | .06130 | .03660 | .38170 | .00686 | .00320 | .00 | -.019000 | .59700 | .03713 |
| .200 | 10.270 | .48050 | .07510 | .06 10 | .48620 | -.01176 | .00280 | .00820 | -.016000 | .60600 | .03859 |
| .200 | 12.330 | .58310 | .09790 | .03240 | .59050 | -.02882 | .00160 | .00820 | -.013000 | .61300 | .03801 |
| .200 | 16.450 | .81050 | .18110 | .03850 | .82260 | -.05589 | .00160 | .00660 | -.008000 | .62670 | .04214 |
| .200 | 18.520 | .92580 | .25050 | .03230 | .95740 | -.05663 | .00710 | .00820 | -.016000 | .63200 | .04795 |
| .200 | 20.580 | 1.04440 | .32170 | .04460 | 1.09090 | -.06606 | .00460 | .00660 | -.015000 | .63700 | .05139 |
| .200 | 22.640 | 1.14420 | .39270 | .04500 | 1.20720 | -.07817 | .00480 | .00730 | -.015000 | .63800 | .05446 |
| .200 | 24.690 | 1.18160 | .45550 | .06420 | 1.26390 | -.07985 | .00170 | .00330 | -.006000 | .63300 | .06037 |
| .200 | 26.720 | 1.16940 | .50760 | .09410 | 1.27270 | -.07255 | .00300 | .00320 | -.007000 | .62400 | .06904 |
| .200 | 28.690 | .99600 | .49300 | .15810 | 1.11330 | -.04054 | .00450 | -.00310 | -.009000 | .59300 | .07628 |
| .200 | 30.740 | .95310 | .52830 | .17470 | 1.08320 | -.03315 | .00300 | .00310 | -.010000 | .593 0 | .07931 |
| | GRADIENT | .04169 | -.00133 | .00162 | .04246 | -.00134 | .00041 | .00049 | -.000137 | -.06424 | -.000760 |

0A86 B46C9 M7F8 W116E26V8R5X9 (RDx186) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .1. | | |

RUN NO. 186/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6..

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .02450 | .03390 | .03 6 | .02450 | . 3392 | -.01190 | .00127 | .00 5 | -32 67 | .00 5 |
| .200 | -5.000 | .00010 | .04.60 | .05050 | .00010 | .04068 | -.00490 | .00 60 | .00 5 | -32 67 | 4433 |
| .200 | .000 | -.01260 | . 035 | .07120 | -.01260 | .03758 | .00 340 | .00 37 | -.00 15 | 2.721 | .00271 |
| .200 | 5.020 | .02030 | . 33 | . 4 5 | .02030 | .03311 | . 0285 | -.00 37 | -.00967 | -.425 | . 4411 |
| .200 | 10..4 | .05830 | .0263 | . 442 | .05830 | .02639 | .01670 | -.00 42 | -.01945 | .224 | . 4411 |
| | GRADIENT | .00202 | -.00176 | .00 | . 2.2 | -.00077 | . 0134 | -.00 1.2 | -.001716 | 3.225.7 | -. 3 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX187) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .100

RUN NO. 187/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .246 | .03540 | .04550 | .24820 | .01330 | -.01830 | .01320 | .19000 | .58400 | .04526 |
| .200 | -5.010 | .23310 | .04160 | .05840 | .23590 | .02065 | -.00720 | .00890 | .09000 | .56000 | .04168 |
| .200 | .000 | .23230 | .03980 | .07720 | .23490 | .01889 | .00820 | .00630 | -.01600 | .53100 | .03920 |
| .200 | 5.030 | .24530 | .03210 | .07630 | .24720 | .01003 | .01740 | -.00010 | -.10900 | .53800 | .04152 |
| .200 | 10.030 | .26580 | .03060 | .05490 | .26750 | .00669 | .02040 | -.00760 | -.20400 | .57600 | .04547 |
| | GRADIENT | .00122 | -.00095 | .00178 | .00113 | -.00106 | .00245 | -.00090 | -.01982 | -.00219 | -.00002 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX188) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .100

RUN NO. 188/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .49590 | .06540 | .04830 | .49960 | -.02406 | -.02170 | .01660 | .20000 | .61600 | .04643 |
| .200 | -5.020 | .48810 | .07010 | .06190 | .49280 | -.01856 | -.01040 | .01050 | .09000 | .60600 | .04142 |
| .200 | .000 | .48490 | .07070 | .07480 | .48980 | -.01691 | .00350 | .00570 | -.00900 | .59500 | .03754 |
| .200 | 5.020 | .49510 | .06290 | .07310 | .49830 | -.02632 | .00910 | -.00540 | -.09300 | .59800 | .04029 |
| .200 | 10.030 | .50830 | .05710 | .06920 | .51030 | -.03441 | .02350 | -.01290 | -.20500 | .60200 | .04539 |
| | GRADIENT | .00260 | -.00172 | .00121 | .00055 | -.00082 | .00194 | -.00158 | -.01682 | -.00080 | -.00001 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX189) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .150

RUN NO. 189/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .76390 | .15490 | .04190 | .77760 | -.05389 | -.02020 | .02450 | .19900 | .63200 | .04574 |
| .200 | -5.030 | .75790 | .15600 | .06260 | .77210 | -.05114 | -.00400 | .01400 | .08500 | .62200 | .04159 |
| .200 | .000 | .76150 | .15550 | .07050 | .77490 | -.05437 | .00010 | .00380 | -.00300 | .61800 | .04132 |
| .200 | 4.980 | .76340 | .15190 | .06240 | .77630 | -.05652 | .00560 | -.00740 | -.09400 | .62200 | .04097 |
| .200 | 10.030 | .77420 | .14190 | .05610 | .78410 | -.06904 | .02120 | -.02080 | -.19600 | .62500 | .04509 |
| | GRADIENT | .00055 | -.00041 | -.00002 | .00042 | -.00054 | .00096 | -.00214 | -.01788 | -.00000 | -.00006 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX190) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .050

RUN NO. 190/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.17050 | .05410 | .04460 | -.17390 | .04177 | -.00160 | .00320 | -.00700 | .74600 | .04569 |
| .200 | -2.060 | -.08520 | .04830 | .05060 | -.08690 | .04527 | .00080 | .00290 | -.01000 | .86600 | .04427 |
| .200 | -1.030 | -.04730 | .04640 | .05380 | -.04810 | .04559 | .00130 | .00340 | -.01200 | 1.06300 | .04215 |
| .200 | .000 | -.01010 | .04270 | .05780 | -.01010 | .04273 | .00200 | .00430 | -.01400 | 2.74300 | .04191 |
| .200 | 1.000 | .02710 | .04090 | .06150 | .02790 | .04045 | .00310 | .00740 | -.02100 | -.15900 | .04193 |
| .200 | 3.060 | .12330 | .04090 | .06290 | .12530 | .03424 | .00300 | .00780 | -.02100 | .46700 | .04158 |
| .200 | 4.090 | .17290 | .04210 | .06290 | .17550 | .02968 | .00310 | .00770 | -.02000 | .52900 | .04148 |
| .200 | 6.140 | .27380 | .04780 | .06380 | .27730 | .01826 | .00280 | .00750 | -.01800 | .56700 | .03932 |
| .200 | 8.200 | .37160 | .05870 | .06420 | .37610 | .00507 | .00230 | .00710 | -.01500 | .58200 | .03790 |
| .200 | 10.260 | .47390 | .07350 | .06720 | .47940 | -.01210 | .00150 | .00680 | -.01400 | .61400 | .03730 |
| .200 | 12.330 | .57770 | .09610 | .06870 | .58430 | -.02351 | .00060 | .00620 | -.01300 | .64100 | .03705 |
| .200 | 14.380 | .69490 | .13150 | .06650 | .70580 | -.04525 | .00020 | .00610 | -.01500 | .61700 | .03715 |
| .200 | 16.440 | .80950 | .17940 | .06390 | .82720 | -.05709 | .00040 | .00650 | -.01570 | .59200 | .04127 |
| .200 | 18.510 | .92590 | .24970 | .05610 | .95720 | -.05726 | .00040 | .00670 | -.01610 | .63000 | .04304 |
| .200 | 20.580 | 1.04390 | .32170 | .04700 | 1.09120 | -.05640 | .00410 | .00630 | -.01210 | .73600 | .04506 |
| .200 | 22.640 | 1.14250 | .39070 | .04910 | 1.20430 | -.07925 | .00430 | .00750 | -.01400 | .69700 | .04600 |
| .200 | 24.690 | 1.17770 | .45370 | .06790 | 1.25950 | -.07946 | .00020 | .00810 | -.00500 | .63700 | .04140 |
| .200 | 26.720 | 1.15970 | .51110 | .09340 | 1.26210 | -.07203 | .00030 | .00830 | -.01600 | .61500 | .03978 |
| .200 | 28.690 | 1.02140 | .55620 | .16110 | 1.13860 | -.04715 | .00120 | .00820 | -.01200 | .61600 | .03924 |
| .200 | 30.730 | .95730 | .52510 | .21000 | 1.06950 | -.03274 | .00050 | .00810 | -.00900 | .62000 | .03941 |
| | GRADIENT | .04144 | -.00111 | .00218 | .04217 | -.00170 | .00055 | .00095 | -.00145 | -.00327 | -.00100 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX191) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 191/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .02300 | .03000 | .04160 | .02300 | .03004 | -.02030 | .00960 | .18100 | -.01200 | .04869 |
| .200 | -4.990 | -.00060 | .03840 | .05520 | -.00060 | .03840 | -.00370 | .00870 | .07600 | 31.50700 | .04488 |
| .200 | .000 | -.00890 | .04020 | .06610 | -.00890 | .04025 | .00290 | .00230 | -.00900 | 3.37700 | .04291 |
| .200 | 5.020 | .00830 | .03730 | .05830 | .00830 | .03739 | .00500 | -.00500 | -.08500 | -1.92800 | .04474 |
| .200 | 10.050 | .02740 | .02730 | .04900 | .02740 | .02731 | .01610 | -.00760 | -.19100 | -.00400 | .04804 |
| | GRADIENT | .00089 | -.00011 | .00031 | .00089 | -.00010 | .00107 | -.00137 | -.01608 | -3.33787 | -.00001 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX192) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 192/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .24670 | .03660 | .04330 | .24900 | .01439 | -.01890 | .01440 | .18800 | .58800 | .04625 |
| .200 | -5.000 | .23210 | .03940 | .06190 | .23470 | .01856 | -.00720 | .00710 | .09200 | .55400 | .04210 |
| .200 | .000 | .22840 | .04010 | .07350 | .23110 | .01960 | .00540 | .00620 | -.01500 | .53500 | .04049 |
| .200 | 5.010 | .23350 | .03540 | .07050 | .23580 | .01448 | .00660 | -.00240 | -.10500 | .54200 | .04217 |
| .200 | 10.050 | .25670 | .02930 | .06090 | .25830 | .00628 | .01890 | -.01010 | -.19800 | .56500 | .04572 |
| | GRADIENT | .00014 | -.00040 | .00086 | .00011 | -.00041 | .00138 | -.00195 | -.01968 | -.00120 | .00001 |

0A86 B46C9 M7F8 W116E26V8R5X9 (RDX193) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 193/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .49400 | .06350 | .04900 | .43740 | -.02551 | -.02220 | .1720 | .19900 | .615[illegible] | .04629 |
| .200 | -5.010 | .48290 | .07010 | .06090 | .48760 | -.[illegible]703 | -.00780 | .[illegible]135 | .092[illegible] | .6[illegible]500 | .04562 |
| .200 | .000 | .47690 | .06890 | .07560 | .48150 | -.[illegible]715 | .00160 | .[illegible]441 | -.[illegible]5[illegible] | .594[illegible] | .03488 |
| .200 | 5.000 | .48650 | .06270 | .06980 | .48990 | -.[illegible]2500 | .00370 | -.[illegible]0540 | -.[illegible]0960 | .53900 | .03383 |
| .200 | 10.000 | .50640 | .05430 | .06340 | .5[illegible]200 | -.[illegible]0358[illegible] | .02130 | -.[illegible]144 | -.2[illegible]1[illegible] | .6[illegible]1[illegible] | .04540 |
| | GRADIENT | .00036 | -.[illegible]0074 | .[illegible]0089 | .00023 | -.[illegible]0[illegible] | .00175 | -.[illegible]0167 | -.[illegible]0[illegible]78 | -.[illegible]0[illegible]7[illegible] | -.[illegible]0[illegible]4[illegible] |

0A86 B46C9 M7F8 W116E26V8R5X9 (RDX194) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 194/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .75810 | .15480 | .04350 | .77200 | -.05226 | -.01790 | .12430 | .13[illegible] | .631[illegible] | .04376 |
| .200 | -4.990 | .75140 | .15720 | .[illegible]614[illegible] | .76630 | -.04754 | -.00553 | .[illegible]1510 | .[illegible]6[illegible] | .622[illegible] | .[illegible]4[illegible]5 |
| .200 | .000 | .75860 | .15030 | .[illegible]42[illegible] | .77150 | -.05660 | .[illegible]369 | .[illegible]210 | .[illegible]21[illegible] | .612[illegible] | .[illegible]433 |
| .200 | 5.020 | .76390 | .14340 | .[illegible]423 | .77460 | -.06479 | .[illegible]1[illegible]7 | -.[illegible]1[illegible]7 | -.[illegible]0910 | .[illegible]61[illegible] | .[illegible]42 |
| .200 | 10.030 | .77190 | .14150 | .[illegible]6110 | .78150 | -.06976 | .[illegible]1620 | .[illegible]1[illegible]3 | -.1[illegible]5[illegible] | .62[illegible] | .[illegible]47[illegible] |
| | GRADIENT | .00125 | -.[illegible]0144 | .[illegible]0[illegible]9 | .00183 | -.[illegible]0172 | .[illegible]207 | -.[illegible]258 | -.[illegible]172[illegible] | -.[illegible]0[illegible] | -.[illegible]0[illegible] |

0486 B46C9 M7F8 W116E26V9R5X9 (RDX195) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 195/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.16250 | .03740 | .04260 | -.16620 | .04567 | -.00110 | .00330 | -.00900 | .74600 | .04257 |
| .200 | -2.060 | -.08545 | .03150 | .04890 | -.08720 | .04845 | .00090 | .00320 | -.01250 | .85800 | .04272 |
| .200 | -1.020 | -.04640 | .04870 | .05270 | -.04730 | .04789 | .00150 | .00330 | -.01250 | 1.06200 | .04227 |
| .200 | .000 | -.00850 | .04675 | .05590 | -.00850 | .04675 | .00210 | .00450 | -.01500 | 3.05200 | .04068 |
| .200 | 1.010 | .02870 | .04380 | .05970 | .02950 | .04328 | .00340 | .00760 | -.02200 | -.09000 | .04108 |
| .200 | 2.040 | .07450 | .04320 | .06080 | .07600 | .04052 | .00350 | .00760 | -.02100 | .35700 | .04055 |
| .200 | 4. 90 | .17090 | .04530 | .06180 | .17370 | .03304 | .00720 | .00770 | -.02100 | .52100 | .03932 |
| .200 | 6.160 | .27230 | .05150 | .06160 | .27630 | .02199 | .00210 | .00740 | -.01800 | .57000 | .03646 |
| .200 | 8.210 | .37240 | .06070 | .06300 | .37720 | .00688 | .00250 | .00720 | -.016 | .59000 | .03681 |
| .200 | 10.260 | .47380 | .07660 | .06530 | .47980 | -.00895 | .00140 | .00590 | -.012 | .61200 | .03615 |
| .200 | 12.320 | .57670 | .09990 | .06680 | .58460 | -.02634 | .00070 | .00470 | -.011 | .61000 | .03716 |
| .200 | 14.380 | .69960 | .13520 | .06290 | .71130 | -.04283 | .00100 | .00450 | -.009 | .61900 | .03961 |
| .200 | 16.450 | .81400 | .18330 | .06010 | .83260 | -.05466 | .00010 | .00620 | -.006 | .62500 | .04252 |
| .200 | 18.530 | .92100 | .25300 | .05150 | .95370 | -.05281 | .00610 | .00880 | -.016 | .63200 | .04533 |
| .200 | 20.590 | 1.04 | .32480 | .04240 | 1.09600 | -.06475 | .00410 | .00890 | -.013 | .63700 | .05156 |
| .200 | 22.640 | 1.1444 | .39460 | .04320 | 1.21823 | -.07652 | .00400 | .00660 | -.013 | .63900 | .05473 |
| .200 | 24.690 | 1.18040 | .45754 | .06080 | 1.26360 | -.07750 | .00161 | .00411 | -.009 | .63400 | .06216 |
| .200 | 26.710 | 1.16150 | .50507 | .09030 | 1.26480 | -.07549 | .00050 | .00250 | -.003 | .62500 | .07075 |
| .200 | 28.700 | 1.01250 | .55520 | .15260 | 1.13100 | -.04262 | .00250 | .00180 | -.00 | .62 | .07875 |
| .200 | 30.740 | .95570 | .53140 | .16520 | 1.09320 | -.03145 | .00090 | .00170 | -.0 | .5 | .07775 |
| | GRADIENT | .04024 | -.00163 | .00251 | .04104 | -.00165 | .00057 | .00071 | -.0 177 | -.07 | -.00043 |

CA86 B46C9 M7F8 W116E26V8R5X9 (RDX196) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | DOFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBRK = | .000 |

RUN NO. 196/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.15490 | .04750 | .03200 | -.15790 | .02537 | -.00120 | .00290 | -.01000 | .726[illegible] | .04231 |
| .200 | -2.[illegible]90 | -.07550 | .04175 | .03810 | -.07630 | .03898 | .00160 | .00260 | -.01300 | .634[illegible] | .04192 |
| .200 | -1.010 | -.03930 | .04010 | .04140 | -.04090 | .03946 | .00220 | .00310 | -.01400 | 1.033[illegible] | .04071 |
| .200 | .000 | -.00170 | .03670 | .04580 | -.00170 | .03695 | .00320 | .00420 | -.01600 | 10.156[illegible] | .04173 |
| .200 | 1.010 | .03760 | .03510 | .04910 | .03830 | .03450 | .00400 | .00560 | -.02200 | .175[illegible] | .03351 |
| .200 | 2.040 | .08440 | .03330 | .05090 | .08560 | .03229 | .00410 | .00710 | -.02300 | .437[illegible] | .03915 |
| .200 | 4.100 | .18160 | .03740 | .05120 | .18390 | .02434 | .00410 | .00920 | -.02220 | .543[illegible] | .03760 |
| .200 | 6.150 | .28090 | .04290 | .05250 | .28360 | .01171 | .00340 | .01160 | -.01800 | .584[illegible] | .03678 |
| .200 | 8.220 | .38010 | .05280 | .05340 | .38380 | -.00208 | .00330 | .01440 | -.01700 | .608[illegible] | .03528 |
| .200 | 10.270 | .48150 | .06890 | .05670 | .48590 | -.01686 | .00260 | .01540 | -.01300 | .609[illegible] | .03613 |
| .200 | 12.330 | .58600 | .09170 | .05700 | .59410 | -.03601 | .00160 | .01620 | -.01100 | .616[illegible] | .03672 |
| .200 | 14.400 | .70640 | .12620 | .05370 | .71610 | -.05156 | .00140 | .01760 | -.00900 | .624[illegible] | .03689 |
| .200 | 16.450 | .82990 | .17730 | .05140 | .83750 | -.06250 | .00150 | .01960 | -.00600 | .62[illegible] | .04134 |
| .200 | 18.530 | .93240 | .24740 | .04350 | .94260 | -.06219 | .00170 | .02030 | -.01800 | .635[illegible] | .04574 |
| .200 | 21.590 | 1.05520 | .31980 | .03460 | 1.11020 | -.07204 | .00450 | .02410 | -.01200 | .64[illegible] | .05[illegible] |
| .200 | 22.660 | 1.15290 | .38920 | .03530 | 1.21380 | -.06514 | .00540 | .02650 | -.01400 | .641[illegible] | .05[illegible] |
| .200 | 24.700 | 1.16610 | .45370 | .05140 | 1.26710 | -.06361 | .00150 | .02870 | -.02[illegible] | .637[illegible] | .06[illegible] |
| .200 | 26.730 | 1.17430 | .50210 | .[illegible] | 1.27470 | -.07988 | .00140 | .03100 | -.02[illegible] | .62[illegible] | .07[illegible] |
| .200 | 28.710 | 1.01870 | .49960 | .1416[illegible] | 1.1334[illegible] | -.05125 | .00400 | -.02[illegible] | -.02[illegible] | .6[illegible] | .07[illegible] |
| .200 | 30.740 | .96110 | .52580 | .15570 | 1.08490 | -.03946 | .00320 | .03140 | -.02[illegible] | .6[illegible] | .[illegible] |
| | GRADIENT | .02053 | -.02135 | .00252 | .04118 | -.00155 | .00056 | .00059 | -.00137 | -.01421 | -.00[illegible] |

CA86 B46C9 M7F8 W116E26V8R5X9 (RDX197) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | DOFLAP = | -12.000 |
| ELEVON | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBRK = | .000 |

RUN NO. 197/ RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -5.[illegible]20 | .03270 | .2510[illegible] | .[illegible] | .03270 | .2513[illegible] | -.[illegible]750 | .[illegible] | .1[illegible] | [illegible] | .3712 |
| .200 | -5.[illegible] | .[illegible] | .[illegible] | [illegible] | .[illegible] | .3334[illegible] | -.[illegible] | .[illegible] | .[illegible] | -1.[illegible] | .[illegible] |
| .200 | [illegible] | .[illegible] | .[illegible] | .[illegible] | .[illegible] | .2657[illegible] | .24[illegible] | .[illegible] | .[illegible] | -21.455[illegible] | .[illegible] |
| .200 | [illegible] | .2[illegible] | .[illegible] | [illegible] | .[illegible] | .31[illegible] | .[illegible] | -.[illegible] | -.[illegible] | [illegible] | .[illegible] |
| .200 | 1[illegible] | .3[illegible] | .[illegible] | .[illegible] | .[illegible] | .3344[illegible] | .[illegible] | -.[illegible] | -.1[illegible] | .[illegible] | .[illegible] |
| | GRADIENT | .[illegible] | -.[illegible] | | .[illegible] | -.[illegible] | .[illegible] | -.[illegible] | -.[illegible] | .[illegible] | .[illegible] |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX198) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | .000 |

RUN NO. 198/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .25290 | .03910 | .03870 | .25460 | .00734 | -.01120 | .01140 | .17800 | .59600 | .04412 |
| .200 | -5.020 | .24000 | .03500 | .04660 | .24210 | .01346 | -.00420 | .00830 | .08700 | .58100 | .04026 |
| .200 | -.020 | .23530 | .03680 | .05580 | .23770 | .01567 | .00330 | .00700 | -.01500 | .56500 | .03760 |
| .200 | 5.010 | .24130 | .03180 | .05100 | .24320 | .01009 | .00480 | -.00950 | -.10100 | .57400 | .03951 |
| .200 | 10.030 | .26730 | .02610 | .04080 | .26860 | .00204 | .00790 | -.00990 | -.16800 | .59600 | .04422 |
| | GRADIENT | .00013 | -.00032 | .00044 | .00011 | -.00034 | .00009 | -.00008 | -.01874 | -.00170 | -.00007 |

OA86 B46C9 M7F8 W116E26V8R5X9 (RDX199) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | .000 |

RUN NO. 199/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .50180 | .06140 | .04120 | .50470 | -.02924 | -.01370 | .01430 | .19100 | .82200 | .04483 |
| .200 | -5.000 | .49180 | .06540 | .04620 | .49560 | -.02332 | -.00700 | .01070 | .08600 | .81600 | .03953 |
| .200 | .000 | .48290 | .06580 | .05850 | .48690 | -.02139 | -.00230 | .00890 | -.01500 | .80700 | .03636 |
| .200 | 4.990 | .49560 | .05850 | .05660 | .49810 | -.03091 | .00570 | -.00480 | -.09100 | .81700 | .03619 |
| .200 | 10.040 | .50660 | .05400 | .04940 | .50810 | -.03737 | .01230 | -.01270 | -.19100 | .81600 | .04308 |
| | GRADIENT | .00638 | -.00069 | .00164 | .00625 | -.00376 | .00127 | -.00155 | -.01472 | -.00160 | -.00013 |

OA66 B46C9 M7F8 W116E26V8R5X9 (RDX200) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 200/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .77110 | .15020 | .03800 | .78330 | -.06031 | -.01130 | .02130 | .18770 | .63400 | .04626 |
| .200 | -5.000 | .76030 | .15180 | .04890 | .77330 | -.05566 | -.00240 | .01570 | .08500 | .62800 | .04125 |
| .200 | .010 | .76880 | .15040 | .05610 | .78110 | -.05945 | .00420 | .00310 | .00000 | .62500 | .04055 |
| .200 | 5.020 | .76560 | .14330 | .06640 | .77610 | -.06545 | .00510 | -.00810 | -.04600 | .62500 | .03912 |
| .200 | 10.040 | .77910 | .14070 | .04330 | .78850 | -.07157 | .01070 | -.01890 | 182 0 | .63100 | .04467 |
| | GRADIENT | .00055 | -.00085 | .00075 | .00028 | -.00098 | .00075 | -.01238 | - 01757 | -.00030 | -.00012 |

OA66 B47C9 M7F8 W116E26V8R5X9 (RDX201) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 201/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.17080 | .05630 | .04650 | -.17420 | .04393 | -.00170 | .00250 | -.00600 | .75000 | .04130 |
| .200 | -2.080 | -.09070 | .05040 | .05210 | -.09250 | .04714 | .00060 | .00250 | -.01000 | .85900 | .04105 |
| .200 | -1.020 | -.05260 | .04740 | .05490 | -.05370 | .04651 | .00060 | .00260 | -.01000 | 1.02400 | .04155 |
| .200 | .000 | -.01350 | .04530 | .05830 | -.01350 | .04531 | .00180 | .00460 | -.01570 | 2.23600 | .03925 |
| .200 | 1.010 | .02560 | .04360 | .06190 | .02640 | .04242 | .00290 | .00770 | -.02270 | -.00300 | .03971 |
| .200 | 2.030 | .07070 | .04210 | .06240 | .07220 | .03957 | .00300 | .01060 | -.02200 | .33420 | .03779 |
| .200 | 4.080 | .16690 | .04400 | .07360 | .17160 | .03191 | .00260 | .02170 | -.02100 | .7[illegible] | .03689 |
| .200 | 6.150 | .26780 | .04350 | .08390 | .27150 | .02054 | .00220 | .03174 | -.01800 | .[illegible] | .03538 |
| .200 | 8.220 | .37[illegible] | .[illegible] | .[illegible] | .37510 | .01572 | .00210 | .04271 | -.01600 | .[illegible] | .03469 |
| .200 | 10.260 | .46844 | .[illegible] | .[illegible] | .4741 | -.01024 | .00110 | .05[illegible] | -.01200 | .[illegible] | .03417 |
| .200 | 12.330 | .5744 | .[illegible] | .[illegible] | .58170 | -.02843 | .00100 | .06[illegible] | -.01000 | .[illegible] | .03573 |
| .200 | 14.360 | .68[illegible] | .1310 | .[illegible] | .7[illegible] | -.04369 | .00120 | .07[illegible] | -.00800 | .[illegible] | .[illegible] |
| .200 | 16.440 | .[illegible] | .1[illegible] | .[illegible] | .[illegible] | -.05417 | -.00010 | .08[illegible] | -.00600 | .[illegible] | .[illegible] |
| .200 | 18.510 | .9[illegible] | .247[illegible] | .[illegible] | .937[illegible] | -.05358 | .00070 | .09[illegible] | -.00500 | .[illegible] | .[illegible] |
| .200 | 20.570 | 1.[illegible] | .3165[illegible] | .[illegible] | 1.07335 | -.06271 | .00400 | .[illegible] | -.00[illegible] | .[illegible] | .44[illegible] |
| .200 | 22.640 | 1.13[illegible] | .3[illegible] | .[illegible] | 1.19[illegible] | -.07569 | .00320 | .[illegible] | -.00[illegible] | .[illegible] | .43 |
| .200 | 24.680 | 1.17410 | .4555[illegible] | .[illegible] | 1.25340 | -.07485 | .00[illegible]30 | .[illegible]3 | -.00[illegible] | .63[illegible] | .[illegible]33 |
| .200 | 26.7[illegible] | 1.16230 | .5[illegible] | .[illegible] | 1.26[illegible] | -.07[illegible]32 | .[illegible] | .[illegible]4 | -.00[illegible] | .6[illegible] | .[illegible] |
| .200 | 28.6[illegible] | .98210 | .4[illegible] | .[illegible]30 | 1.[illegible] | -.03873 | .00[illegible]22 | -.00[illegible]24 | -.00[illegible] | .5[illegible] | .[illegible]818 |
| .200 | 30.[illegible] | .9547[illegible] | .[illegible]37 | .[illegible]376 | 1.0[illegible] | -.03466 | .00[illegible]18 | .00[illegible]1 | -.00[illegible] | .5[illegible] | .[illegible] |
| | GRADIENT | .04[illegible]68 | -.0[illegible]564 | .0[illegible] | .4176 | -.00157 | .00[illegible]58 | .[illegible]03 | -.0[illegible]223 | -.0[illegible]747 | -.[illegible]55 |

0486 B47C9 M7F8 W11GE26V8R5X9 (RDx202) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 202/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .02210 | .03420 | .03680 | .02210 | .03428 | -.01740 | .01120 | .18100 | .04000 | .04829 |
| .200 | -4.990 | -.00250 | .04150 | .05210 | -.00250 | .04154 | -.00600 | .00930 | .07600 | 8.07200 | .04256 |
| .200 | -.010 | -.01070 | .04290 | .05950 | -.01070 | .04291 | .00160 | .00260 | -.01000 | 2.68800 | .03981 |
| .200 | 5.010 | .00750 | .04120 | .05190 | .00750 | .04125 | .00550 | -.00490 | -.08800 | -1.87000 | .04156 |
| .200 | 10.050 | .02590 | .03110 | .04360 | .02590 | .03116 | .01810 | -.00670 | -.19400 | .03300 | .04771 |
| | GRADIENT | .00100 | -.00003 | -.00002 | .00100 | -.00003 | .00115 | -.00142 | -.01640 | -.99408 | -.00010 |

0486 B47C9 M7F8 W116E26V8R5X9 (RDx203) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 203/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .24500 | .03730 | .04600 | .24740 | .01531 | -.02100 | .01380 | .19500 | .58300 | .04625 |
| .200 | -5.020 | .22870 | .04120 | .05830 | .23150 | .02060 | -.00900 | .00790 | .09300 | .55900 | .04024 |
| .200 | -.020 | .22440 | .04350 | .06510 | .22740 | .02328 | .00300 | .00630 | -.01400 | .54600 | .03623 |
| .200 | 5.020 | .22600 | .03960 | .06280 | .23077 | .01912 | .00940 | -.00090 | -.10700 | .55100 | .03886 |
| .200 | 10.050 | .25570 | .03316 | .05290 | .25700 | .01003 | .02090 | -.01060 | -.21200 | .57600 | .04645 |
| | GRADIENT | -.00667 | -.00016 | .00045 | -.00066 | -.00405 | .00183 | -.00088 | -.01992 | -.00079 | -.00014 |

CA86 B47C9 M7F8 W116E26V8R5X9 (RDX204) ( 18 JAN 74 )

REFERENCE DATA

SREF = 4.4117 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1675 INCHES
SCALE = .04 9 SCALE

PARAMETRIC DATA

ALPHA = 1 .000 BDFLAP = -12.000
ELEVON = 5 .0 AILRON = .000
RUDDER = .00 SPOBRK = 25.000

RUN NO. 204/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XC /L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2 0 | -1 .2 | .491 | . 667 | .0496 | .49 4 | -.02183 | -.0252 | .01770 | .20500 | .61500 | .4571 |
| .2 | -5.0 | .4612 | .0697 | .0594 | .4655 | -.01715 | -.0112 | .01210 | .0978 | .6 7 | .4 37 |
| .2 0 | .00 | .47 | .0710 | .07 1 | .47 | -.0135 | .00 30 | .00 | -.0 5 | .537 | .0423 |
| .2 | 5.0 | .4627 | .0 6 | .0656 | .4 E | -.0 2 E | .0 97 | -.0 | -. 4 | 6 .0 | .0396 |
| .2 | 1 .0 | .4955 | .0 5 | .0582 | .495 | -.0 3 | .0 41 | -. 14 | .2 0 | .6 | .45 6 |
| | GRADIENT | 00.15 | -.0 .47 | .0 62 | .0 6 6 | -.0 43 | .0 29 | - 165 | . 1 6 | -. 5 | -.0 24 |

CA86 B47C9 M7F8 W116E26V8R5X9 (RDX205) ( 18 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1675 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -1 .000
ELEVON = 5.0 AILRON = .00
RUDDER = .0 SPOBRK = 2 .0

RUN NO. 205/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XC /L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .7545 | .1534 | .0464 | .7682 | -.0 264 | -.02260 | .02430 | .2 | .0 | .4519 |
| .2 0 | -5.05 | .7464 | .1 5 | .0 | .76 5 | -.0 99 | -.0 | .0 41 | .2 7 | .2 | .4 1 |
| .2 0 | -.010 | .7467 | .1519 | .06 5 | .762 | -.05243 | .0 | .0 47 | .20 | .61 | .4 3 |
| .2 | 5.000 | .7537 | .1491 | .0544 | .766 | -.05045 | .0 | .0 | -.0 | .6 .5 | .4 4 |
| .2 | 10.050 | .7730 | .1441 | .0 | .7 55 | -.06650 | .04 0 | -.0 70 | -.0 | .0 | .4 68 |
| | GRADIENT | .0 .79 | -.0 48 | .0 46 | .0 47 | -.0 | .0 | -.0 | -. | -. 20 | .0 43 |

CA86 B50C9 M7F8 W116E26V8R5X9 (RDX206) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0455 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPOIL = 25.000

RUN NO. 206/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.17710 | .05250 | .05040 | -.18040 | .03969 | -.00120 | .00200 | -.00400 | .75500 | .04603 |
| .200 | -2.060 | -.09200 | .04550 | .05370 | -.09360 | .04221 | -.00050 | .00290 | -.00700 | .86300 | .04470 |
| .200 | -1.030 | -.05070 | .04280 | .05590 | -.05150 | .04194 | -.00020 | .00400 | -.01000 | 1.05100 | .04369 |
| .200 | .000 | -.01420 | .04410 | .05920 | -.01420 | .04014 | .00050 | .00610 | -.01500 | 2.12700 | .04360 |
| .200 | 1.010 | .03370 | .04110 | .05920 | .03440 | .03950 | .00050 | .00600 | -.01500 | .91800 | .04192 |
| .200 | 2.030 | .08130 | .03970 | .06020 | .08270 | .03678 | .00020 | .00670 | -.01400 | .38400 | .04277 |
| .200 | 4.090 | .17210 | .04530 | .06290 | .17490 | .03292 | -.00140 | .00460 | -.00300 | .51900 | .04072 |
| .200 | 6.160 | .27130 | .05120 | .06380 | .27530 | .02185 | -.00160 | .00480 | -.01000 | .56600 | .03944 |
| .200 | 8.210 | .37340 | .06160 | .06350 | .37840 | .00761 | -.00140 | .00560 | -.01000 | .59000 | .03791 |
| .200 | 10.260 | .48020 | .07730 | .06390 | .48630 | -.00951 | -.00110 | .00650 | -.01000 | .60300 | .03839 |
| .200 | 12.340 | .58280 | .10190 | .06630 | .59090 | -.02594 | -.00180 | .00540 | -.00700 | .61000 | .03916 |
| .200 | 14.390 | .69900 | .13710 | .06140 | .71120 | -.04097 | -.00160 | .00530 | -.00700 | .62000 | .04045 |
| .200 | 16.460 | .82130 | .18540 | .05630 | .84020 | -.05494 | -.00200 | .00620 | -.00500 | .62700 | .04432 |
| .200 | 18.510 | .92060 | .24630 | .05310 | .95180 | -.05718 | .00320 | .00820 | -.01200 | .63100 | .04702 |
| .200 | 20.570 | 1.02660 | .31640 | .04640 | 1.07300 | -.06277 | .00110 | .00710 | -.00800 | .63600 | .05048 |
| .200 | 22.650 | 1.14570 | .33350 | .04420 | 1.20660 | -.07824 | .00250 | .00860 | -.01200 | .63600 | .05648 |
| .200 | 24.710 | 1.18080 | .45610 | .05960 | 1.26430 | -.07723 | -.00030 | .00400 | -.00100 | .63400 | .05395 |
| .200 | 26.730 | 1.17470 | .51930 | .09230 | 1.27630 | -.07352 | -.00070 | .00410 | -.00500 | .62500 | .07272 |
| .200 | 28.750 | 1.02140 | .50620 | .15130 | 1.13930 | -.04662 | .00090 | .00580 | -.01200 | .60700 | .07773 |
| .200 | 30.730 | .95340 | .53350 | .17070 | 1.09030 | -.03140 | -.00020 | .00260 | -.00700 | .59400 | .08911 |
| | GRADIENT | .04253 | -.00110 | .00154 | .04327 | -.00094 | .00003 | .00043 | -.00091 | -.00679 | -.00063 |

0486 B50C9 M7F8 W116E26V8R5X9 (RDX207) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 207/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.25660 | .06100 | .08480 | -.26030 | .04232 | -.00030 | .00460 | -.01000 | .77200 | .04269 |
| .200 | -2.090 | -.18170 | .04930 | .09210 | -.18340 | .04261 | -.00100 | .00160 | -.00300 | .83700 | .04202 |
| .200 | -1.050 | -.13720 | .04550 | .09290 | -.13800 | .04303 | -.00050 | .00290 | -.00700 | .90000 | .04037 |
| .200 | -.030 | -.09520 | .04190 | .09620 | -.09520 | .04186 | .00030 | .00490 | -.01100 | 1.02400 | .04041 |
| .200 | .980 | -.05440 | .03910 | .09810 | -.05370 | .04009 | .00060 | .00610 | -.01400 | 1.32300 | .03936 |
| .200 | 2.010 | -.00710 | .03800 | .09900 | -.00570 | .03829 | .00050 | .00650 | -.01400 | 6.93700 | .03892 |
| .200 | 4.050 | .08840 | .03830 | .10020 | .09090 | .03198 | .00040 | .00610 | -.01300 | .24600 | .03754 |
| .200 | 6.120 | .18820 | .04240 | .10080 | .19170 | .02214 | .00050 | .00650 | -.01500 | .45800 | .03561 |
| .200 | 8.190 | .29110 | .04950 | .10070 | .29520 | .00757 | .00020 | .00660 | -.01300 | .52600 | .03548 |
| .200 | 10.230 | .39060 | .06300 | .10270 | .39560 | -.00755 | -.00040 | .00640 | -.01100 | .55600 | .03532 |
| .200 | 12.300 | .49630 | .08360 | .10570 | .50270 | -.02396 | -.00110 | .00510 | -.00800 | .57400 | .03727 |
| .200 | 14.360 | .61030 | .11630 | .10200 | .62010 | -.03870 | -.00110 | .00470 | -.00700 | .59100 | .03837 |
| .200 | 16.420 | .73100 | .16160 | .09810 | .74690 | -.05169 | -.00190 | .00550 | -.00400 | .60300 | .04037 |
| .200 | 18.490 | .84200 | .22190 | .09300 | .86890 | -.05662 | .00160 | .00720 | -.00800 | .61200 | .04495 |
| .200 | 20.550 | .95040 | .28600 | .08940 | .99030 | -.06591 | .00020 | .00530 | -.00400 | .61800 | .04952 |
| .200 | 22.600 | 1.05720 | .35600 | .08390 | 1.11280 | -.07764 | .00170 | .00410 | -.01000 | .60400 | .05193 |
| .200 | 24.670 | 1.11980 | .42570 | .09460 | 1.19530 | -.08051 | -.00171 | .00440 | .00000 | .60300 | .05415 |
| .200 | 26.710 | 1.11450 | .47950 | .11550 | 1.21110 | -.07269 | -.00110 | .00370 | -.00100 | .61700 | .06371 |
| .200 | 28.700 | 1.01000 | .49270 | .17130 | 1.12250 | -.05304 | -.00023 | .00330 | -.01300 | .59500 | .07553 |
| .200 | 30.720 | .90690 | .50450 | .19120 | 1.03730 | -.02963 | -.00070 | .00330 | -.00500 | .58400 | .07321 |
| | GRADIENT | .04219 | -.002 9 | .00168 | .04234 | -.00123 | .00016 | .00044 | -.00005 | .24521 | -.00065 |

0486 B50C9 M7F8 W116E26V8R5X9 (RDX208) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 208/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | [illegible] |
|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | -.05830 | .03380 | .07470 | -.05830 | .03380 | -.01610 | .01110 | .17700 | [illegible] |
| .200 | -5.020 | -.08610 | .04 3 | .08960 | -.08610 | .04026 | -.00580 | .0007 | .07600 | [illegible] |
| .200 | .000 | -.09610 | [illegible] | .09610 | -.09610 | .04060 | .00030 | .00710 | -.00600 | [illegible] |
| .200 | 5.020 | -.06790 | [illegible] | .07620 | -.06790 | .04130 | .00510 | -.00170 | -.00100 | [illegible] |
| .200 | 10.030 | -.04800 | [illegible] | .04600 | -.04800 | .03047 | [illegible] | -.00394 | -.00191 | [illegible] |
| | GRADIENT | .01101 | [illegible] | .00151 | .01010 | [illegible] | -.00114 | -.00114 | .00427 | [illegible] |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX209) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 209/ 0 RN/L = 1.42 GRADIENT INTERVAL = 6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .15650 | .02770 | .04850 | .15835 | .01371 | -.01860 | .01260 | .19600 | .4460 | .04371 |
| .200 | -5.030 | .14370 | .03460 | .09870 | .14620 | .02177 | -.00830 | .00700 | .09270 | .40300 | .04174 |
| .200 | -.020 | .14430 | .03830 | .10250 | .14710 | .02536 | .00080 | .00580 | -.01000 | .39700 | .03731 |
| .200 | 5.000 | .15170 | .03690 | .09800 | .15430 | .02235 | .00690 | .00170 | -.17000 | .41800 | .03802 |
| .200 | 10.040 | .17960 | .03090 | .08580 | .18170 | .01476 | .01710 | -.00840 | -.19300 | .47800 | .04384 |
| | GRADIENT | .00080 | .00614 | -.00207 | .00281 | .00206 | .00152 | -.00053 | -.01914 | .01150 | -.00019 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX210) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 210/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .40870 | .05080 | .08940 | .41120 | -.02270 | -.02310 | .01520 | .20200 | .5720 | .04501 |
| .200 | -5.040 | .40210 | .05870 | .09500 | .40610 | -.01376 | -.01050 | .01150 | .09370 | .5660 | .03621 |
| .200 | .000 | .39640 | .06180 | .10280 | .40100 | -.00960 | -.00140 | .00440 | -.00110 | .5570 | .03520 |
| .200 | 5.000 | .40300 | .05510 | .10180 | .40640 | -.01748 | .00740 | -.00410 | -.09300 | .5590 | .03624 |
| .200 | 10.030 | .41750 | .04730 | .09390 | .41930 | -.02781 | .02090 | -.01130 | -.19970 | .5630 | .04700 |
| | GRADIENT | .00209 | -.00136 | .00048 | .00083 | -.00037 | .00178 | -.00151 | -.01153 | -.00070 | .00040 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX211) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 211/ 0 RN/L = 1.4[illegible] GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .68490 | .13170 | .07930 | .69520 | -.05500 | -.02160 | .02110 | .20300 | .61000 | .04381 |
| .200 | -5.030 | .66750 | .13180 | .09570 | .67860 | -.05018 | -.01080 | .01340 | .09600 | .60000 | .03926 |
| .200 | -.020 | .67540 | .13580 | .09990 | .68720 | -.04843 | -.00270 | .00330 | .00400 | .59300 | .03944 |
| .200 | 5.040 | .67480 | .13040 | .09990 | .68530 | -.05350 | .00590 | -.00730 | -.08700 | .59800 | .03876 |
| .200 | 10.030 | .68630 | .12420 | .08520 | .69470 | -.06250 | .02030 | -.02020 | -.19300 | .60700 | .04304 |
| | GRADIENT | .00072 | -.00014 | .00042 | .00066 | -.00033 | .00166 | -.00206 | -.01817 | -.00020 | -.00005 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX212) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = -7.960 SPDBRK = 25.000

RUN NO. 212/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.26760 | .05960 | .09060 | -.27120 | .04012 | .01100 | -.00510 | -.02900 | .77500 | .04379 |
| .200 | -2.080 | -.18250 | .05030 | .09380 | -.18420 | .04362 | .01110 | -.00510 | -.02900 | .83900 | .04290 |
| .200 | -1.050 | -.13880 | .04610 | .09530 | -.13960 | .04360 | .01130 | -.00370 | -.03200 | .90300 | .04234 |
| .200 | -.020 | -.09610 | .04270 | .09790 | -.09610 | .04267 | .01200 | -.00170 | -.03700 | 1.02600 | .04119 |
| .200 | 1.000 | -.05620 | .03980 | .10090 | -.05550 | .04083 | .01140 | -.00070 | -.03900 | 1.32000 | .04066 |
| .200 | 2.020 | -.00760 | .03840 | .10130 | -.00620 | .03870 | .01220 | -.00020 | -.03900 | 6.59200 | .04047 |
| .200 | 4.060 | .08640 | .03900 | .10250 | .08940 | .03274 | .01200 | .01000 | -.03950 | .23050 | .03894 |
| .200 | 6.130 | .18750 | .04270 | .10270 | .19100 | .02245 | .01170 | .02070 | -.03800 | .45400 | .03747 |
| .200 | 8.190 | .28960 | .05020 | .10420 | .29380 | .00848 | .01140 | .03170 | -.03600 | .52200 | .03711 |
| .200 | 10.240 | .39150 | .06370 | .10420 | .39560 | -.00672 | .00970 | .04070 | -.03100 | .55900 | .03699 |
| .200 | 12.310 | .49610 | .08450 | .10710 | .50270 | -.02320 | .00920 | .04910 | -.03100 | .57[illegible] | .03662 |
| .200 | 14.360 | .61060 | .11750 | .11320 | .62060 | -.03810 | .00900 | .05760 | -.02900 | .58[illegible] | .0401[illegible] |
| .200 | 16.430 | .73060 | .16130 | .12130 | .74630 | -.05220 | .00840 | .05120 | -.02600 | .[illegible] | .04231 |
| .200 | 18.500 | .84220 | .22480 | .13240 | .87000 | -.05398 | .01270 | .06220 | -.03100 | .61[illegible] | .04618 |
| .200 | 20.550 | .95170 | .28620 | .14550 | .99140 | -.06395 | .01210 | .06120 | -.02200 | .[illegible] | .[illegible]4219 |
| .200 | 22.620 | 1.05130 | .35710 | .16630 | 1.10760 | -.07472 | .01250 | .06[illegible] | -.03100 | .61[illegible] | .05128 |
| .200 | 24.680 | 1.11750 | .42430 | .19590 | 1.19430 | -.07742 | .01030 | -.[illegible]111 | -.02300 | .6[illegible] | .[illegible]5872 |
| .200 | 26.710 | 1.11810 | .49[illegible]10 | .[illegible]1[illegible] | 1.21540 | -.07197 | .[illegible]0110 | -.[illegible]0111 | -.02[illegible] | .6[illegible] | .06[illegible] |
| .200 | 28.[illegible] | .[illegible]10 | .[illegible] | .17[illegible] | 1.15120 | -.04936 | .[illegible]1400 | .[illegible] | -.035[illegible] | .590 | .07711 |
| .200 | 30.[illegible] | .[illegible]30 | .[illegible] | .19[illegible] | 1.05040 | -.03352 | .[illegible] | -.[illegible]2[illegible] | .[illegible] | .5[illegible] | .[illegible]772 |
| | GRADIENT | .04297 | -.[illegible]261 | .[illegible]158 | .04373 | -.[illegible]038 | .[illegible]117 | .[illegible]1[illegible] | -.[illegible]156 | .02657 | -.[illegible]760 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX213) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = -7.960 SPDBRK = 25.000

RUN NO. 213/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | -.06050 | .03370 | .07500 | -.06050 | .03377 | -.00500 | .00480 | .15400 | 1.10800 | .04605 |
| .200 | -5.010 | -.08590 | .04080 | .09140 | -.08590 | .04079 | .00620 | .00260 | .05200 | 1.04300 | .04263 |
| .200 | .000 | -.09500 | .04160 | .09870 | -.09500 | .04155 | .01140 | -.00420 | -.02800 | 1.03400 | .04136 |
| .200 | 5.020 | -.07060 | .04220 | .08790 | -.07060 | .04222 | .01690 | -.00820 | -.11200 | 1.11000 | .04318 |
| .200 | 10.050 | -.05010 | .03160 | .07950 | -.05010 | .03164 | .02650 | -.00840 | -.21300 | 1.23600 | .04781 |
| | GRADIENT | .00153 | .00014 | -.00035 | .00153 | .00014 | .00107 | -.00108 | -.01635 | .00668 | .00005 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX214) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = -7.960 SPDBRK = 25.000

RUN NO. 214/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .15730 | .02950 | .08740 | .15930 | .01538 | -.00770 | .00770 | .16400 | .45900 | .04366 |
| .200 | -5.030 | .14190 | .03580 | .10050 | .14450 | .02309 | .00340 | .00120 | .06870 | .39600 | .04058 |
| .200 | -.010 | .14270 | .03980 | .10450 | .14560 | .02593 | .01210 | .00000 | -.03400 | .38400 | .03834 |
| .200 | 5.020 | .15170 | .03630 | .10050 | .15430 | .02268 | .01820 | -.00350 | -.12500 | .41200 | .04050 |
| .200 | 10.040 | .17670 | .03200 | .08840 | .17890 | .01618 | .02600 | -.01300 | -.21100 | .47000 | .04476 |
| | GRADIENT | .00098 | .00035 | -.00090 | .00098 | -.00064 | .00147 | -.00147 | -.01920 | .00159 | -.00001 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX215) ( 04 APR 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | -7.960 | SPDBRK = | 25.000 |

RUN NO. 215/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .40820 | .05090 | .08940 | .41080 | -.02251 | -.01320 | .01070 | .18000 | .57200 | .04493 |
| .200 | -5.040 | .40010 | .05880 | .09860 | .40420 | -.01330 | .00080 | .00580 | .07000 | .56200 | .03973 |
| .200 | -.010 | .39550 | .06140 | .10580 | .40020 | -.00990 | .00930 | -.00110 | -.02400 | .55400 | .03767 |
| .200 | 5.010 | .40250 | .05580 | .10470 | .40600 | -.01270 | .01830 | -.00910 | -.11800 | .55700 | .03895 |
| .200 | 10.040 | .41570 | .04940 | .09570 | .41780 | -.02532 | .02910 | -.01660 | -.21400 | .56700 | .04394 |
| | GRADIENT | .00124 | -.00030 | .00061 | .00018 | -.00034 | .00174 | -.00148 | -.01871 | -.00050 | -.00008 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX216) ( 04 APR 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | -7.960 | SPDBRK = | 25.000 |

RUN NO. 216/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .68320 | .13060 | .07990 | .69340 | -.05540 | -.01290 | .01640 | .18200 | .60900 | .04429 |
| .200 | -5.010 | .66630 | .13220 | .09920 | .67750 | -.04940 | -.00050 | .00750 | .07300 | .59800 | .04052 |
| .200 | -.010 | .67700 | .13650 | .10350 | .68900 | -.04811 | .00670 | -.00260 | -.01500 | .59600 | .04125 |
| .200 | 5.010 | .67520 | .13030 | .10340 | .68560 | -.05367 | .01510 | -.01290 | -.10800 | .59600 | .04004 |
| .200 | 10.040 | .68520 | .12460 | .08930 | .69380 | -.06173 | .02710 | -.02480 | -.20900 | .60400 | .04424 |
| | GRADIENT | .00089 | -.00019 | .00042 | .00081 | -.00043 | .00156 | -.00204 | -.01806 | -.00020 | -.00005 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX217) ( 04 APR 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 40.000 |

RUN NO. 217/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.26960 | .06680 | .09870 | -.27370 | .04717 | -.00080 | .00220 | -.00700 | .78400 | .04619 |
| .200 | -2.090 | -.18980 | .05800 | .10350 | -.19180 | .05107 | -.00060 | .00120 | -.00500 | .85000 | .04483 |
| .200 | -1.050 | -.14630 | .05380 | .10550 | -.14730 | .05117 | -.00010 | .00230 | -.00900 | .91500 | .04373 |
| .200 | -.030 | -.10600 | .05000 | .10930 | -.10610 | .04995 | .00070 | .00400 | -.01400 | 1.03100 | .04308 |
| .200 | .970 | -.06040 | .04700 | .11100 | -.05960 | .04811 | .00090 | .00520 | -.01500 | 1.33600 | .04253 |
| .200 | 2.000 | -.02650 | .04570 | .11360 | -.02490 | .04663 | .00100 | .00530 | -.01600 | 2.32900 | .04193 |
| .200 | 4.060 | .08250 | .04580 | .11390 | .08550 | .03991 | .00120 | .00570 | -.01600 | .16200 | .04094 |
| .200 | 6.130 | .17990 | .04990 | .11350 | .18420 | .03039 | .00110 | .00640 | -.01700 | .42500 | .03842 |
| .200 | 8.170 | .28260 | .05700 | .11340 | .28790 | .01629 | .00080 | .00640 | -.01600 | .50700 | .03818 |
| .200 | 10.230 | .38290 | .06990 | .11560 | .38930 | .00074 | -.00020 | .00570 | -.01300 | .54200 | .03810 |
| .200 | 12.280 | .48810 | .09030 | .11710 | .49620 | -.01558 | -.00060 | .00500 | -.01200 | .56550 | .03945 |
| .200 | 14.360 | .60260 | .12210 | .11510 | .61410 | -.03112 | -.00060 | .00460 | -.01100 | .58300 | .04131 |
| .200 | 16.400 | .72170 | .16640 | .11080 | .73930 | -.04415 | -.00140 | .00540 | -.00600 | .59600 | .04412 |
| .200 | 18.500 | .82960 | .22720 | .10500 | .85890 | -.04785 | .00280 | .00770 | -.01200 | .60700 | .04719 |
| .200 | 20.540 | .94050 | .28790 | .10090 | .98170 | -.06052 | .00200 | .00620 | -.00900 | .61400 | .05234 |
| .200 | 22.620 | 1.05110 | .36060 | .09690 | 1.10890 | -.07156 | .00210 | .00780 | -.01200 | .61900 | .05582 |
| .200 | 24.670 | 1.10360 | .42740 | .10440 | 1.18130 | -.07238 | -.00110 | .00500 | -.00200 | .61900 | .05907 |
| .200 | 26.710 | 1.11530 | .48490 | .12800 | 1.21420 | -.06825 | -.00090 | .00260 | .00000 | .61300 | .06757 |
| .200 | 28.690 | .99910 | .49500 | .18670 | 1.11410 | -.04559 | .00140 | .00670 | -.01000 | .59200 | .07470 |
| .200 | 30.750 | .90450 | .50870 | .25650 | 1.03750 | -.02541 | -.00100 | .00320 | -.00400 | .57800 | .07556 |
| | GRADIENT | .04239 | -.00269 | .00201 | .04326 | -.00095 | .00028 | .00058 | -.00149 | .02028 | -.00065 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX218) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 218/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.30750 | .10100 | .15880 | -.31400 | .07851 | -.00030 | .00300 | -.00800 | .83800 | .07535 |
| .200 | -2.100 | -.22940 | .08790 | .16440 | -.23250 | .07951 | -.00060 | .00140 | -.00400 | .91250 | .07294 |
| .200 | -1.080 | -.18510 | .08450 | .16590 | -.18670 | .08105 | -.00020 | .00250 | -.00600 | .97900 | .07581 |
| .200 | -.040 | -.14320 | .07960 | .16870 | -.14320 | .07958 | .00000 | .00360 | -.00900 | 1.08500 | .07040 |
| .200 | .970 | -.10240 | .07610 | .17110 | -.10110 | .07791 | .00060 | .00520 | -.01300 | 1.27400 | .06766 |
| .200 | 2.000 | -.05420 | .07370 | .17130 | -.05160 | .07558 | .00070 | .00550 | -.01300 | 1.87300 | .06677 |
| .200 | 4.050 | .03920 | .07280 | .17200 | .04420 | .06984 | .00060 | .00600 | -.01400 | -.77000 | .06352 |
| .200 | 6.120 | .13660 | .07530 | .17160 | .14390 | .06033 | .00090 | .00670 | -.01600 | .21300 | .06071 |
| .200 | 8.170 | .23510 | .08200 | .17200 | .24440 | .04780 | .00060 | .00750 | -.01400 | .39300 | .05756 |
| .200 | 10.220 | .33960 | .09370 | .17410 | .35090 | .03194 | -.00010 | .00870 | -.01100 | .46900 | .05727 |
| .200 | 12.280 | .43840 | .11280 | .17690 | .45240 | .01699 | -.00060 | .00953 | -.01070 | .50800 | .05633 |
| .200 | 14.350 | .55500 | .14350 | .17490 | .57330 | .00142 | -.00070 | .00430 | -.00600 | .53900 | .05849 |
| .200 | 16.390 | .67210 | .18590 | .17090 | .69730 | -.01127 | -.00140 | .00510 | -.00500 | .56100 | .06011 |
| .200 | 18.480 | .78640 | .24410 | .16770 | .82320 | -.01778 | -.00210 | .00760 | -.00800 | .57700 | .06509 |
| .200 | 20.540 | .89580 | .30280 | .16450 | .94510 | -.03083 | -.00200 | .00720 | -.00700 | .58800 | .06938 |
| .200 | 22.600 | 1.00020 | .37290 | .15980 | 1.06670 | -.04002 | -.00120 | .00770 | -.00800 | .59700 | .07212 |
| .200 | 24.650 | 1.06260 | .44030 | .16980 | 1.14950 | -.04303 | -.00130 | .00460 | .00000 | .59700 | .07822 |
| .200 | 26.690 | 1.06720 | .49590 | .19280 | 1.17630 | -.03633 | -.00130 | .00320 | .00000 | .59100 | .08197 |
| .200 | 28.690 | .98050 | .51640 | .23780 | 1.13790 | -.01812 | -.00040 | .00530 | -.00700 | .57300 | .09452 |
| .200 | 30.710 | .86390 | .51950 | .26520 | 1.09810 | .00541 | -.00080 | .00360 | -.00300 | .55500 | .10768 |
| | GRADIENT | .04227 | -.00348 | .00167 | .04367 | -.00126 | .00016 | .00054 | -.00114 | -.00248 | -.00146 |

0486 B50C9 MTF8 W116E26V8R5X9 (RDx219) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.00 |
| ELEVON = | 10.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBRK = | 25.000 |

RUN NO. 219/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.00 | -.0884 | .0471 | .0125 | -.0915 | .0407 | -.0011 | .0010 | -.0033 | .7020 | .0496 |
| .2[illegible] | -2.00 | -.0092 | .0424 | .0174 | -.0107 | .0420 | .0001 | .0043 | -.0129 | 1.2461 | .0473 |
| .2[illegible] | -.99 | .0342 | .0422 | .0177 | .0334 | .0428 | .0025 | .0047 | -.0131 | .4570 | .0474 |
| .2[illegible] | .01 | .0782 | .0442 | .0182 | .0782 | .0442 | -.0003 | .0044 | -.0132 | .5600 | .0471 |
| .2[illegible] | 1.01 | .1254 | .0469 | .0189 | .1262 | .0426 | -.0014 | .0038 | -.0135 | .5907 | .0463 |
| .2[illegible] | 2.00 | .1722 | .0477 | .0196 | .1738 | .0415 | -.0009 | .0037 | -.0137 | .6170 | .0455 |
| .2[illegible] | 4.13 | .2744 | .0523 | .0217 | .2730 | .0368 | -.0001 | .0047 | -.0128 | .6241 | .0445 |
| .2[illegible] | 6.19 | .3663 | .0613 | .0212 | .3780 | .0215 | -.0012 | .0053 | -.0132 | .6311 | .0436 |
| .2[illegible] | 8.25 | .4689 | .0747 | .0219 | .4739 | .0064 | -.0020 | .0047 | -.0140 | .6350 | .0417 |
| .2[illegible] | 10.31 | .5727 | .0953 | .0212 | .5850 | -.0072 | -.0013 | .0051 | -.0139 | .6360 | .0417 |
| .2[illegible] | 12.36 | .6846 | .1227 | .0214 | .6954 | -.0268 | -.0022 | .0040 | -.0155 | .6400 | .0429 |
| .2[illegible] | 14.44 | .8137 | .1634 | .0167 | .8171 | -.0417 | -.0021 | .0044 | -.0150 | .6440 | .0435 |
| .2[illegible] | 16.48 | .9203 | .2165 | .0139 | .9439 | -.0535 | -.0016 | .0055 | -.0159 | .6470 | .0444 |
| .2[illegible] | 18.55 | 1.0243 | .2879 | .0169 | 1.0627 | -.0523 | .0044 | .0036 | -.0144 | .6490 | .0526 |
| .2[illegible] | 20.62 | 1.1323 | .3822 | .0210 | 1.1873 | -.0537 | .0022 | .0040 | -.0151 | .6510 | .0573 |
| .2[illegible] | 22.67 | 1.2241 | .4337 | .0127 | 1.2967 | -.0717 | .0026 | .0010 | -.0141 | .6510 | .0532 |
| .2[illegible] | 24.72 | 1.2951 | .4665 | .0249 | 1.3432 | -.0718 | .0018 | .0026 | -.0143 | .6440 | .0544 |
| .2[illegible] | 26.74 | 1.1955 | .5276 | .0769 | 1.3504 | -.1667 | .0047 | .0052 | -.0147 | .6310 | .0611 |
| .2[illegible] | 28.74 | 1.1126 | .5174 | .1379 | 1.1365 | -.1329 | .0036 | .0045 | -.0116 | .6170 | .0266 |
| .2[illegible] | 30.74 | .9831 | .5557 | .1497 | 1.1284 | -.1266 | .0021 | .0021 | -.0076 | .6130 | .0559 |
| | GRADIENT | .0439 | .0179 | .0443 | .0466 | -.0478 | .0002 | .0033 | -.0064 | -.3374 | -.0160 |

OA86 B50C9 MTF8 W116E26V8R5X9 (RDX220) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = 10.000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 220/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.25250 | .06710 | .08230 | -.25670 | .04871 | .01010 | .03640 | -.04400 | .77000 | .04693 |
| .200 | -2.090 | -.16850 | .05620 | .08640 | -.17050 | .05007 | .01070 | .03570 | -.04500 | .83800 | .04606 |
| .200 | -1.060 | -.13060 | .05290 | .08910 | -.13160 | .05052 | .00990 | .03470 | -.04100 | .90100 | .04459 |
| .200 | -.030 | -.08710 | .04990 | .09180 | -.08710 | .04986 | .00980 | .03480 | -.04100 | 1.03950 | .04537 |
| .200 | .970 | -.04790 | .04770 | .09480 | -.04700 | .04853 | .00950 | .03620 | -.04600 | 1.39300 | .04423 |
| .200 | 2.000 | -.00190 | .04580 | .09680 | -.00030 | .04591 | .00970 | .03670 | -.04700 | 32.76700 | .04418 |
| .200 | 4.050 | .09230 | .04780 | .09830 | .09550 | .04118 | .01080 | .03780 | -.05200 | .27300 | .04210 |
| .200 | 6.100 | .18850 | .05080 | .10060 | .19290 | .03054 | .01200 | .03920 | -.05600 | .46000 | .04229 |
| .200 | 8.170 | .29000 | .05900 | .09950 | .29540 | .01721 | .01350 | .04050 | -.06200 | .52800 | .04074 |
| .200 | 10.220 | .39320 | .07310 | .09760 | .39990 | .00221 | .01400 | .04160 | -.06700 | .56250 | .04074 |
| .200 | 12.290 | .49480 | .09270 | .10000 | .50320 | -.01474 | .01310 | .03970 | -.06000 | .57800 | .04112 |
| .200 | 14.350 | .61310 | .12400 | .09740 | .62470 | -.03175 | .01270 | .03900 | -.05900 | .59400 | .04323 |
| .200 | 16.400 | .72930 | .16750 | .09250 | .74690 | -.04531 | .01180 | .04200 | -.05600 | .60800 | .04529 |
| .200 | 18.470 | .83890 | .22850 | .08700 | .86810 | -.04909 | .01390 | .04100 | -.05600 | .61500 | .04749 |
| .200 | 20.550 | .94360 | .29420 | .08560 | .96680 | -.05573 | .01130 | .03710 | -.05100 | .62000 | .05216 |
| .200 | 22.600 | 1.04320 | .35730 | .08660 | 1.10040 | -.07096 | .01150 | .03900 | -.05000 | .62300 | .05512 |
| .200 | 24.640 | 1.09310 | .41990 | .09980 | 1.16870 | -.07411 | .01550 | .03150 | -.03000 | .62000 | .06053 |
| .200 | 26.680 | 1.09290 | .47040 | .12680 | 1.18770 | -.07042 | .00400 | .02180 | -.01500 | .61400 | .06979 |
| .200 | 28.680 | .97370 | .47840 | .17940 | 1.08390 | -.04759 | .00610 | -.00020 | .01110 | .59100 | .08359 |
| .200 | 30.700 | .91380 | .50030 | .20390 | 1.04120 | -.03642 | .00620 | .01050 | .01413 | .58[illegible] | .08239 |
| | GRADIENT | .04174 | -.00240 | .00210 | .04264 | -.00094 | .00021 | .00021 | -.[illegible] | 1.44716 | -.[illegible]754 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDx221) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0403 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = -15.000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 221/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.12[illegible] | -.243[illegible] | .0[illegible]710 | .0[illegible]030 | -.24800 | .04947 | -.01060 | -.[illegible]3000 | .02800 | .771[illegible] | .04629 |
| .2[illegible] | -2.09[illegible] | -.171[illegible] | .0[illegible]625 | .0[illegible]760 | -.17380 | .05395 | -.00720 | -.02870 | .02000 | .[illegible]36.[illegible] | .04374 |
| .20[illegible] | -1.09[illegible] | -.136[illegible] | .[illegible]5460 | .09190 | -.13770 | .05258 | -.00710 | -.02[illegible]0 | .01900 | .[illegible]97[illegible] | .04333 |
| .2[illegible] | -.09[illegible] | -.096[illegible] | .[illegible]5[illegible]0 | .[illegible]9390 | -.09650 | .05075 | -.00670 | -.02780 | .01700 | 1.03[illegible]0 | .04343 |
| .2[illegible] | .90[illegible] | -.046[illegible] | .04790 | .03470 | -.04590 | .04872 | -.00670 | -.02770 | .01870 | 1.41110 | .04381 |
| .2[illegible] | 2.01[illegible] | .00230 | .04730 | .[illegible]9410 | .00390 | .04720 | -.00680 | -.02750 | .01900 | -8.[illegible]9[illegible]0 | .04249 |
| .2[illegible] | 4.08[illegible] | .11[illegible]1 | .04790 | .[illegible]9350 | .11[illegible]20 | .04[illegible]47 | -.[illegible]0770 | -.02710 | .02100 | .328[illegible] | .[illegible]4046 |
| .2[illegible] | 6.11[illegible] | .22450 | .05170 | .09200 | .2[illegible]690 | .[illegible]2364 | -.00780 | -.[illegible]2670 | .[illegible]2310 | .469[illegible] | .03903 |
| .2[illegible] | 8.19[illegible] | .33590 | .06[illegible]40 | .[illegible]9120 | .31140 | .01627 | -.[illegible]0780 | -.02550 | .02300 | .54400 | .03855 |
| .2[illegible] | 10.24[illegible] | .41360 | .07450 | .[illegible]9130 | .42020 | -.00035 | -.[illegible]0[illegible]20 | -.02550 | .02600 | .572[illegible] | .04034 |
| .2[illegible] | 12.31[illegible] | .51[illegible]0 | .09350 | .09[illegible]0 | .52110 | -.01[illegible]1 | -.[illegible]1[illegible]10 | -.02720 | .03100 | .5[illegible]70 | .04110 |
| .2[illegible] | 14.36[illegible] | .63550 | .12[illegible]0 | .[illegible]8960 | .64720 | -.03361 | -.[illegible]1150 | -.[illegible]2[illegible]70 | .[illegible]3600 | .6[illegible]100 | .[illegible]4244 |
| .2[illegible] | 16.43[illegible] | .74[illegible]0 | .1742[illegible] | .[illegible]8620 | .76700 | -.04452 | -.01160 | -.[illegible]2[illegible]70 | .[illegible]3700 | .61[illegible]0 | .[illegible]4418 |
| .2[illegible] | 18.49[illegible] | .8[illegible]190 | .23[illegible]20 | .[illegible]8210 | .[illegible]8250 | -.04410 | -.[illegible]1720 | -.[illegible]2760 | .[illegible]3110 | .617[illegible]0 | .04[illegible]37 |
| .2[illegible] | 20.55[illegible] | .95640 | .29550 | .[illegible]7[illegible]60 | 1.09[illegible]0 | -.05530 | -.[illegible]1710 | -.02830 | .02990 | .623[illegible] | .[illegible]51[illegible]2 |
| .2[illegible] | 22.64[illegible] | 1.04250 | .3617[illegible] | .[illegible]6[illegible]520 | 1.1[illegible]140 | -.[illegible]0667[illegible] | -.[illegible]1[illegible]6[illegible] | -.[illegible]3[illegible]10 | .[illegible]3[illegible]0[illegible] | .623[illegible] | .[illegible]5437 |
| .2[illegible] | 24.66[illegible] | 1.[illegible]9[illegible]0 | .42[illegible]2[illegible] | .[illegible]9550 | 1.17790 | -.[illegible]0[illegible]653 | -.[illegible]0[illegible]480 | -.[illegible]2440 | .[illegible]4210 | .622[illegible] | .[illegible]5355 |
| .2[illegible] | 26.69[illegible] | 1.[illegible]9250 | .47720 | .121[illegible]0 | 1.19[illegible]40 | -.[illegible]0[illegible]6447 | -.[illegible]1330 | -.[illegible]2340 | .[illegible]4[illegible]50 | .614[illegible]0 | .[illegible]6645 |
| .2[illegible] | 28.69[illegible] | 1.[illegible]9160 | .4[illegible]6[illegible]7[illegible] | .[illegible]1[illegible]97[illegible] | 1.11[illegible]40 | -.[illegible]4347 | -.[illegible]4[illegible]4[illegible]0 | .[illegible]1[illegible]620 | -.[illegible]2[illegible]40 | .5[illegible]6[illegible]0 | .[illegible]7668 |
| .2[illegible] | 30.72[illegible] | .92[illegible]0[illegible] | .51[illegible]7[illegible] | .1[illegible]0[illegible]6[illegible] | 1.[illegible]6140 | -.[illegible]2635 | .[illegible]1[illegible]290 | -.[illegible]1[illegible]64[illegible] | -.[illegible]3[illegible]10[illegible] | .5[illegible]6[illegible]0[illegible] | .[illegible]7690 |
| | GRADIENT | .04251 | -.[illegible]0[illegible]454 | .[illegible]0162 | .[illegible]4340 | -.[illegible]123 | .[illegible]0[illegible]36 | [illegible]035 | -.[illegible]0[illegible]72 | -.44525 | -.[illegible]1[illegible]5[illegible] |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX222) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2467 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0409 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 15.000 AILRON = .000
RUDDER = .000 SPCBRK = 25.000

RUN NO. 222/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.050 | .00470 | .05190 | -.03040 | .00100 | .05214 | .00300 | .00560 | -.01800 | 10.96600 | .05104 |
| .200 | -2.000 | .07400 | .05100 | -.02250 | .07210 | .05365 | .00100 | .00460 | -.01400 | .76400 | .05013 |
| .200 | -.970 | .11990 | .05130 | -.02110 | .11940 | .05333 | .00080 | .00440 | -.01300 | .71700 | .05060 |
| .200 | .080 | .16420 | .05430 | -.02070 | .16420 | .05416 | .00050 | .00390 | -.01200 | .69800 | .04848 |
| .200 | 1.060 | .21150 | .05620 | -.02030 | .21250 | .05225 | .00050 | .00420 | -.01300 | .68700 | .04786 |
| .200 | 2.110 | .26080 | .05960 | -.02040 | .26260 | .04940 | .00040 | .00400 | -.01200 | .68000 | .04742 |
| .200 | 4.150 | .35280 | .06690 | -.01740 | .35670 | .04118 | .00020 | .00390 | -.01100 | .67000 | .04569 |
| .200 | 6.230 | .44840 | .07870 | -.01740 | .45430 | .02979 | .00020 | .00470 | -.01300 | .66600 | .04376 |
| .200 | 8.270 | .54300 | .09490 | -.01620 | .55100 | .01580 | .00000 | .00580 | -.01100 | .66300 | .04315 |
| .200 | 10.320 | .66480 | .12130 | -.02400 | .67580 | .00021 | .00000 | .00450 | -.01000 | .66500 | .04313 |
| .200 | 12.410 | .78240 | .15260 | -.02850 | .79700 | -.01904 | -.00170 | .00300 | -.00700 | .66500 | .04415 |
| .200 | 14.450 | .89960 | .19750 | -.03360 | .92050 | -.03330 | .00190 | .00290 | -.01000 | .66500 | .04596 |
| .200 | 16.500 | 1.00400 | .26310 | -.03900 | 1.03740 | -.03300 | .00470 | .00350 | -.01000 | .66600 | .04882 |
| .200 | 18.570 | 1.10230 | .32950 | -.04020 | 1.14960 | -.03875 | .00140 | .00480 | -.00900 | .66500 | .05275 |
| .200 | 20.630 | 1.21220 | .40370 | -.04410 | 1.27670 | -.04945 | .00090 | .00280 | -.00600 | .66400 | .05918 |
| .200 | 22.680 | 1.29450 | .47470 | -.03590 | 1.37740 | -.06112 | .00230 | .00400 | -.00900 | .66100 | .06322 |
| .200 | 24.720 | 1.26890 | .52120 | .00350 | 1.37160 | -.05736 | .00471 | .00270 | -.00700 | .65100 | .06948 |
| .200 | 26.720 | 1.19580 | .54160 | .05760 | 1.31170 | -.05390 | .00270 | .00170 | -.02300 | .63500 | .06208 |
| .200 | 28.730 | 1.05090 | .54830 | .11300 | 1.18510 | -.02387 | .00610 | -.00100 | -.02000 | .61700 | .08589 |
| .200 | 30.740 | 1.01870 | .58290 | .12630 | 1.17350 | -.01976 | .00250 | .00510 | -.01800 | .61000 | .08543 |
| | GRADIENT | .04317 | .00188 | .00130 | .04410 | -.00124 | -.00231 | -.00119 | .00074 | -.91213 | -.00069 |

OA86 B50C9 M7F8 W116E26V8R5X9 (ROx223) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 223/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.25910 | .06020 | .06870 | -.26280 | .04144 | -.00050 | .00100 | -.00400 | .77300 | .04307 |
| .200 | -2.100 | -.17760 | .05020 | .05070 | -.17950 | .04366 | -.00030 | .00030 | -.00100 | .83400 | .04171 |
| .200 | -1.090 | -.13470 | .04640 | .09240 | -.13550 | .04394 | .00070 | .00130 | -.00500 | .90300 | .04152 |
| .200 | -.030 | -.09250 | .04380 | .09550 | -.09260 | .04377 | .00260 | .00340 | -.01200 | 1.03100 | .04167 |
| .200 | .970 | -.05350 | .04150 | .09810 | -.05240 | .04248 | .00370 | .00590 | -.01800 | 1.33500 | .04126 |
| .200 | 2.010 | -.00390 | .03960 | .09870 | -.00250 | .03979 | .00390 | .00660 | -.02000 | 14.85130 | .04120 |
| .200 | 4.070 | .09110 | .04050 | .09940 | .09380 | .03401 | .00440 | .00810 | -.02300 | .20010 | .03830 |
| .200 | 6.130 | .19210 | .04440 | .09920 | .19570 | .02364 | .00460 | .00920 | -.02400 | .46500 | .03724 |
| .200 | 8.190 | .29590 | .05250 | .09830 | .30040 | .01985 | .00400 | .00930 | -.02200 | .53100 | .03599 |
| .200 | 10.240 | .39980 | .06620 | .09960 | .40520 | -.00599 | .00380 | .00920 | -.02100 | .56100 | .03637 |
| .200 | 12.300 | .50160 | .08455 | .10120 | .50830 | -.02334 | .00250 | .00760 | -.01510 | .57800 | .03778 |
| .200 | 14.360 | .62120 | .11710 | .09595 | .63080 | -.04067 | .00140 | .00590 | -.01200 | .59610 | .03960 |
| .200 | 16.420 | .73880 | .16350 | .09240 | .75490 | -.05210 | .00080 | .00700 | -.01370 | .60700 | .04223 |
| .200 | 18.490 | .84700 | .22690 | .08580 | .87500 | -.05433 | .00460 | .00740 | -.01400 | .61600 | .04589 |
| .200 | 20.550 | .95590 | .28930 | .06220 | .99580 | -.06441 | .00340 | .00520 | -.01100 | .62100 | .04908 |
| .200 | 22.600 | 1.05320 | .35540 | .08320 | 1.10890 | -.07676 | .00310 | .00490 | -.01000 | .62400 | .05257 |
| .200 | 24.660 | 1.11520 | .42550 | .09100 | 1.19110 | -.07875 | .00230 | .00340 | -.00700 | .62400 | .05728 |
| .200 | 26.700 | 1.12710 | .48230 | .11330 | 1.22360 | -.07575 | -.00200 | .00350 | -.00700 | .61800 | .06507 |
| .200 | 28.690 | .99230 | .44640 | .16870 | 1.10400 | -.04975 | .00450 | -.00260 | -.00540 | .59500 | .07315 |
| .200 | 30.720 | .92540 | .51040 | .19130 | 1.05200 | -.03155 | .00410 | .00210 | -.00430 | .58500 | .07318 |
| | GRADIENT | .04252 | -.00244 | .00168 | .04329 | -.00491 | .00072 | .00106 | -.00235 | .61266 | -.00154 |

OA86 B50C9 M7F8 W116E26V8R5X9 (ROx224) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 224/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -1.150 | -.06270 | .03240 | .07830 | -.06270 | .03246 | -.00020 | .00050 | .00020 | 1.11310 | .04550 |
| .200 | -.540 | -.09020 | .04180 | .08240 | -.09020 | .04180 | -.00170 | .00090 | .00070 | 1.00200 | .04150 |
| .200 | -.270 | -.10840 | .04200 | .08650 | -.10840 | .04200 | -.00220 | .00110 | .00090 | .96400 | .04138 |
| .200 | .000 | -.12630 | .04210 | .08850 | -.12630 | .04210 | -.00220 | .00110 | .00090 | .93400 | .04243 |
| .200 | .270 | -.14420 | .04230 | .08940 | -.14420 | .04230 | -.00220 | .00110 | .00090 | .90500 | .04374 |
| .200 | .540 | -.16210 | .04260 | .09020 | -.16210 | .04260 | -.00220 | .00110 | .00090 | .87600 | .04524 |
| .200 | 1.150 | -.20260 | .04410 | .09240 | -.20260 | .04410 | -.00220 | .00110 | .00090 | .81000 | .04924 |
| | GRADIENT | .07268 | -.00154 | -.00240 | .07268 | -.00154 | .00000 | .00000 | .00000 | .00000 | -.00154 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX225) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 225/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .16580 | .03060 | .08450 | .16790 | .01578 | -.00670 | .01160 | .18800 | .46600 | .04390 |
| .200 | -5.030 | .14400 | .03550 | .09870 | .14660 | .02253 | -.00040 | .00690 | .08850 | .40400 | .04048 |
| .200 | -.040 | .14690 | .03940 | .10210 | .14980 | .02621 | .00590 | .00830 | -.01900 | .40100 | .03838 |
| .200 | 4.990 | .16450 | .03710 | .09460 | .16710 | .02234 | .01010 | .00250 | -.10770 | .44300 | .03984 |
| .200 | 10.020 | .18890 | .03170 | .08220 | .19100 | .01477 | .01520 | -.00460 | -.20100 | .49300 | .04434 |
| | GRADIENT | .00205 | .00016 | -.00041 | .00205 | -.00002 | .00105 | -.00044 | -.01946 | .00390 | -.00006 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX226) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 226/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.060 | .41000 | .05370 | .08740 | .41500 | -.02009 | -.00280 | .01270 | .19700 | .57400 | .04562 |
| .200 | -5.040 | .40830 | .05930 | .09320 | .41240 | -.01419 | .00220 | .01110 | .08630 | .56800 | .03878 |
| .200 | -.050 | .40210 | .06260 | .10160 | .40740 | -.00992 | .00560 | -.00730 | -.01300 | .56100 | .03666 |
| .200 | 4.970 | .41520 | .05550 | .09690 | .41640 | -.01915 | .00720 | -.00060 | -.10100 | .56600 | .03912 |
| .200 | 10.010 | .42570 | .05130 | .08650 | .42410 | -.02518 | .01090 | -.00390 | -.20200 | .57600 | .04213 |
| | GRADIENT | .00069 | -.00038 | .00177 | .00060 | -.00050 | .00050 | -.00119 | -.01958 | -.00120 | .00053 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDx227) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 227/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .68590 | .13440 | .07630 | .69690 | -.05251 | .00150 | .01820 | .19400 | .61100 | .04367 |
| .200 | -5.020 | .66770 | .13300 | .08940 | .67910 | -.04907 | .00260 | .01210 | .08800 | .60300 | .03893 |
| .200 | -.010 | .68430 | .13790 | .09410 | .69640 | -.04881 | .00200 | .00370 | -.00100 | .60200 | .04049 |
| .200 | 5.010 | .68230 | .13140 | .09530 | .69270 | -.05444 | .00143 | -.00470 | -.09100 | .60100 | .04018 |
| .200 | 10.040 | .68940 | .12250 | .08320 | .69720 | -.06501 | .00220 | -.01370 | -.19700 | .60000 | .04311 |
| | GRADIENT | .00146 | -.00016 | .00059 | .00136 | -.00054 | -.00012 | -.00167 | -.01785 | -.00020 | .00012 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDx228) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 40.000

RUN NO. 228/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.26840 | .06720 | .09970 | -.27250 | .04761 | -.00110 | .00060 | -.00200 | .78600 | .04678 |
| .200 | -2.090 | -.18570 | .05780 | .10310 | -.18770 | .05105 | -.00080 | .00090 | -.00300 | .85400 | .04550 |
| .200 | -1.060 | -.14340 | .05490 | .10440 | -.14440 | .05229 | .00000 | .00180 | -.00700 | .91800 | .04460 |
| .200 | -.020 | -.10040 | .05200 | .10710 | -.10040 | .05109 | .00130 | .00320 | -.01200 | 1.04400 | .04351 |
| .200 | .970 | -.06130 | .04850 | .11150 | -.06040 | .04958 | .00290 | .00580 | -.01800 | 1.33000 | .04365 |
| .200 | 2.000 | -.01310 | .04730 | .11210 | -.01150 | .04777 | .00370 | .00710 | -.02200 | 4.23700 | .04241 |
| .200 | 4.050 | .08310 | .04770 | .11280 | .08630 | .04174 | .00410 | .00840 | -.02300 | .17000 | .04133 |
| .200 | 6.120 | .18280 | .05210 | .11230 | .18730 | .03231 | .00430 | .00910 | -.02400 | .43100 | .03876 |
| .200 | 8.180 | .2~620 | .05840 | .11260 | .29160 | .01712 | .00400 | .00890 | -.02200 | .51000 | . 3922 |
| .200 | 10.230 | .38730 | .07180 | .11260 | .39390 | .00187 | .00400 | .00953 | -.02200 | .54600 | .03853 |
| .200 | 12.290 | .49220 | .09120 | .11540 | .50040 | -.01567 | .00270 | .00760 | -.01600 | .56700 | .03935 |
| .200 | 14.360 | .60970 | .12210 | .11010 | .62100 | -.03290 | .00170 | .00530 | -.01400 | .588[illegible] | .04166 |
| .200 | 16.410 | .72750 | .16730 | .10500 | .74510 | -.04506 | .00050 | .00650 | -.01[illegible] | .6[illegible] | .04454 |
| .200 | 18.480 | .83740 | .23080 | .09780 | .8674[illegible] | -.04653 | .00370 | .00770 | -.01[illegible] | .61[illegible] | .04625 |
| .200 | 20.550 | .94980 | .29460 | .09490 | .99260 | -.05756 | .00280 | .00470 | -.01[illegible] | .61[illegible] | .05341 |
| .200 | 22.600 | 1.04720 | .35830 | .09720 | 1.10450 | -.07179 | .00280 | .00420 | -.01[illegible] | .61[illegible] | . 5022 |
| .200 | 24.660 | 1.10900 | .42730 | .10390 | 1.18610 | -.07449 | .00060 | .00340 | -.01[illegible] | .61[illegible] | . 5 37 |
| .200 | 26.690 | 1.11420 | .48270 | .12640 | 1.21230 | -.06943 | -.00040 | .00250 | .00[illegible] | .613 | .05742 |
| .200 | 28.690 | 1.0[illegible] | .5[illegible] | .17370 | 1.13[illegible] | -.04757 | -.00171 | -.00330 | -.00[illegible] | .6[illegible] | .0[illegible] |
| .200 | 30.710 | .90870 | .51020 | .2[illegible] | 1.041[illegible] | -.02556 | .00280 | .00477 | -.01[illegible] | .6[illegible] | . 75 |
| | GRADIENT | .04264 | -.03245 | .00[illegible] | .04356 | -.[illegible] | .[illegible] | .00[illegible] | [illegible] | [illegible] | [illegible] |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX229) ( 04 APR 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 40.000 |

RUN NO. 229/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | -.07630 | .03920 | .09290 | -.07640 | .03918 | -.01810 | .00580 | .19000 | 1.09900 | .04783 |
| .200 | -4.990 | -.10360 | .04570 | .10690 | -.10360 | .04562 | -.00620 | .00660 | .08000 | 1.03100 | .04565 |
| .200 | -.010 | -.09860 | .05050 | .10950 | -.09860 | .05041 | .00200 | .00140 | -.00600 | 1.06000 | .04415 |
| .200 | 5.020 | .07680 | .05020 | .09900 | -.07680 | .05018 | .00620 | -.00280 | -.08700 | 1.12600 | .04436 |
| .200 | 10.040 | -.05240 | .04070 | .08870 | -.05240 | .04068 | .01880 | -.00400 | -.19300 | 1.27400 | .04917 |
| | GRADIENT | .00268 | .00045 | -.00079 | .00268 | .00045 | .00124 | -.00094 | -.01668 | .00950 | -.00013 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX230) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 40.000 |

RUN NO. 230/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .15750 | .03730 | .09750 | .16020 | .02316 | -.01920 | .01210 | .19100 | .42800 | .04680 |
| .200 | -5.020 | .13500 | .04230 | .11110 | .13830 | .03022 | -.00740 | .00720 | .09000 | .35600 | .04366 |
| .200 | .000 | .13720 | .04700 | .11520 | .14090 | .03461 | .00510 | .00030 | -.02100 | .35100 | .03995 |
| .200 | 5.010 | .15480 | .04270 | .10840 | .15800 | .02881 | .00940 | .00210 | -.10800 | .39900 | .04354 |
| .200 | 10.030 | .18360 | .03770 | .09490 | .18620 | .02126 | .02080 | -.00520 | -.20400 | .46400 | .04749 |
| | GRADIENT | .00197 | .00004 | -.00027 | .00196 | -.00014 | .00168 | -.00051 | -.01974 | .00429 | -.00001 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX231) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 40.000

RUN NO. 231/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .40390 | .05880 | .09740 | .40790 | -.01393 | -.02170 | .01610 | .19800 | .56400 | .04846 |
| .200 | -5.030 | .39760 | .06520 | .10400 | .40290 | -.00649 | -.00980 | .0132 | .08800 | .55700 | .04144 |
| .200 | -.010 | .39200 | .06896 | .11420 | .39810 | -.00181 | .00300 | .00810 | -.01400 | .54600 | .03940 |
| .200 | 5.000 | .40520 | .06110 | .10880 | .40960 | -.01188 | .00960 | -.00160 | -.10200 | .55400 | .04143 |
| .200 | 10.050 | .42090 | .05580 | .09930 | .42420 | -.01995 | .02250 | -.01020 | -.20300 | .56500 | .04662 |
| | GRADIENT | .00076 | -.00041 | .00048 | .00067 | -.00054 | .00193 | -.00148 | -.01894 | -.00030 | -.00000 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX232) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 40.000

RUN NO. 232/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .67630 | .13680 | .08770 | .68890 | -.04576 | -.02010 | .02340 | .19500 | .60500 | .04583 |
| .200 | -5.030 | .66330 | .13750 | .10390 | .676.0 | -.04341 | -.00930 | .01510 | .08800 | .59500 | .04195 |
| .200 | .000 | .67370 | .14070 | .10980 | .68690 | -.04311 | -.00140 | .00460 | -.00300 | .59300 | .04403 |
| .200 | 5.010 | .67410 | .13630 | .10880 | .68610 | -.04750 | .00680 | -.00650 | -.09300 | .59300 | .04267 |
| .200 | 10.040 | .68430 | .12840 | .09400 | .69390 | -.05791 | .02020 | -.01830 | -.2 1100 | .60200 | .04523 |
| | GRADIENT | .00108 | -.00012 | .00049 | .00100 | -.00041 | .00160 | -.00215 | -.01803 | -.00020 | .00007 |

0486 B50C9 M7F8 W116E26V8R5X9 (RDX233) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 233/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.150 | -.30710 | .10220 | .16090 | -.31370 | .07968 | -.00010 | .00070 | -.00500 | .84000 | .07585 |
| .200 | -2.110 | -.22460 | .09160 | .16360 | -.22790 | .08326 | -.00010 | .00050 | -.00400 | .91600 | .07264 |
| .200 | -1.080 | -.18130 | .08690 | .16550 | -.18290 | .08354 | .00020 | .00100 | -.00600 | .98500 | .07036 |
| .200 | -.050 | -.13800 | .08380 | .16800 | -.13810 | .08372 | .00170 | .00260 | -.01200 | 1.09900 | .06970 |
| .200 | .960 | -.09750 | .07870 | .17160 | -.09610 | .08034 | .00320 | .00540 | -.01800 | 1.30800 | .06889 |
| .200 | 1.990 | -.05300 | .07760 | .17170 | -.05030 | .07941 | .00360 | .00680 | -.02100 | 1.90800 | .06623 |
| .200 | 4.040 | .04110 | .07610 | .17160 | .04640 | .07309 | .00420 | .00840 | -.02400 | -.70700 | .06354 |
| .200 | 6.090 | .13790 | .07870 | .17140 | .14550 | .06369 | .00450 | .00910 | -.02500 | .21800 | .06064 |
| .200 | 8.150 | .23830 | .8420 | .17090 | .24790 | .04956 | .00420 | .00930 | -.02400 | .39400 | .05848 |
| .200 | 10.200 | .34140 | .09580 | .17170 | .35300 | .03385 | .00380 | .00960 | -.02300 | .47300 | .05700 |
| .200 | 12.280 | .44190 | .11390 | .17510 | .45600 | .01733 | .00290 | .00870 | -.02000 | .51900 | .05799 |
| .200 | 14.330 | .56120 | .14430 | .17020 | .57950 | .00087 | .00170 | .00620 | -.01600 | .54400 | .05816 |
| .200 | 16.390 | .67950 | .18750 | .16600 | .70480 | -.01189 | .00050 | .00640 | -.00900 | .56500 | .06096 |
| .200 | 18.470 | .78960 | .24900 | .16020 | .82780 | -.01402 | .00360 | .00810 | -.01500 | .58000 | .06488 |
| .200 | 20.530 | .89830 | .30940 | .15830 | .94980 | -.02529 | .00250 | .00590 | -.01000 | .59700 | .06984 |
| .200 | 22.590 | .98990 | .37130 | .16710 | 1.05660 | -.03745 | .00270 | .00440 | -.00900 | .59600 | .07133 |
| .200 | 24.640 | 1.05010 | .43700 | .16870 | 1.13670 | -.04057 | .00020 | .00300 | -.00200 | .59700 | .07535 |
| .200 | 26.680 | 1.06550 | .49530 | .18870 | 1.17450 | -.03590 | -.00060 | .00240 | -.00100 | .59300 | .07949 |
| .200 | 28.680 | .98140 | .51450 | .23610 | 1.16490 | -.01964 | -.00240 | -.00260 | .00000 | .57300 | .08444 |
| .200 | 30.690 | .86420 | .52160 | .26350 | 1.01280 | .00525 | .00300 | .00490 | -.01000 | .55600 | .07752 |
| | GRADIENT | .04232 | -.00327 | .00151 | .04378 | -.00087 | .00064 | .00111 | -.00024 | -.00047 | -.00144 |

0486 B50C9 M7F8 W116E26V8R5X9 (RDX234) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 234/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | -.11450 | .06840 | .15310 | -.11460 | .06834 | -.01940 | .01450 | .19300 | 1.14300 | .07236 |
| .200 | -5.020 | -.14390 | .07190 | .17120 | -.14400 | .07495 | -.00570 | .00520 | .08100 | 1.08700 | .07209 |
| .200 | .000 | -.13500 | .08100 | .16900 | -.13500 | .08091 | .00240 | .00000 | -.04500 | 1.11400 | .07142 |
| .200 | 5.020 | -.11450 | .07827 | .15900 | -.11460 | .08261 | .00620 | .00140 | -.03700 | 1.16700 | .06909 |
| .200 | 10.010 | -.08870 | .09610 | .14260 | -.08880 | .06302 | .00550 | .00130 | -.01300 | 1.24300 | .06769 |
| | GRADIENT | .00293 | .00177 | -.00038 | .00293 | .00076 | .00019 | -.00066 | -.01673 | .00737 | -.00134 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX235) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 235/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .11640 | .06610 | .15570 | .12180 | .05560 | -.01930 | .01100 | .18900 | .18200 | .06652 |
| .200 | -5.030 | .09450 | .06980 | .17240 | .10030 | .06123 | -.00710 | .00620 | .08800 | .01900 | .06679 |
| .200 | .000 | .09290 | .07480 | .17310 | .09910 | .06636 | .00460 | .00840 | -.02150 | .00900 | .06163 |
| .200 | 5.000 | .10960 | .07360 | .16740 | .11570 | .06368 | .00910 | .00270 | -.10700 | .11900 | .06275 |
| .200 | 10.040 | .14070 | .06760 | .14980 | .14620 | .05485 | .02210 | -.00610 | -.20700 | .27500 | .06354 |
| | GRADIENT | .00150 | .00038 | -.00050 | .00153 | .00025 | .00162 | -.00035 | -.01944 | .00996 | -.00040 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX236) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 236/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .36390 | .08320 | .15300 | .37290 | .01734 | -.02150 | .01420 | .19800 | .50100 | .06543 |
| .200 | -5.010 | .35010 | .09390 | .16930 | .36120 | .03029 | -.00760 | .01160 | .08300 | .47900 | .06060 |
| .200 | .000 | .34650 | .09580 | .17310 | .35760 | .03085 | .00250 | .00770 | -.01300 | .47400 | .05738 |
| .200 | 5.000 | .35770 | .09040 | .17270 | .36800 | .02546 | .00160 | .00200 | -.10100 | .48100 | .05832 |
| .200 | 10.030 | .38010 | .07830 | .15270 | .38800 | .00957 | .02230 | -.00870 | -.20600 | .50700 | .06348 |
| | GRADIENT | .00276 | -.00035 | .00014 | .00068 | -.00048 | .00162 | -.00116 | -.01838 | .00020 | -.00023 |

0A86 B50C5 M7F8 W116E26V8R5X9 (RDX237) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 237/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .63270 | .16070 | .14510 | .65270 | -.01299 | -.01660 | .02010 | .18900 | .57000 | .06039 |
| .200 | -5.010 | .61000 | .16520 | .17550 | .63200 | -.00240 | -.00600 | .01210 | .08300 | .54900 | .05813 |
| .200 | .000 | .62360 | .16260 | .16930 | .64440 | -.00853 | -.00150 | .00460 | -.00300 | .55500 | .05983 |
| .200 | 5.010 | .61880 | .16430 | .17570 | .64020 | -.00566 | .00410 | -.00420 | -.08700 | .55100 | .05730 |
| .200 | 10.040 | .63680 | .15150 | .14930 | .65420 | -.02297 | .01820 | -.01600 | -.19400 | .56850 | .05776 |
| | GRADIENT | .00008 | -.00009 | .00002 | .00082 | -.00033 | .00101 | -.00163 | -.01697 | .00020 | -.00008 |

0A86 B50C9 M7F8 W116E26V8R5X9 (RDX238) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = 16.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 238/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.19100 | .05420 | .04190 | -.19440 | .04039 | -.00090 | .00140 | -.00400 | .73150 | .04222 |
| .200 | -2.060 | -.10480 | .04590 | .04460 | -.10640 | .04213 | -.00080 | .00130 | -.00300 | .80600 | .04123 |
| .200 | -1.020 | -.06300 | .04450 | .04570 | -.06380 | .04339 | .00090 | .00330 | -.01200 | .91500 | .04108 |
| .200 | -.010 | -.01790 | .04230 | .04830 | -.01790 | .04236 | .00230 | .00570 | -.01800 | 1.64400 | .04034 |
| .200 | 1.010 | .02420 | .03950 | .05080 | .02490 | .03916 | .00300 | .00740 | -.02200 | -.09800 | .04117 |
| .200 | 2.030 | .07530 | .03970 | .04930 | .07670 | .03702 | .00320 | .00770 | -.02100 | .41500 | .03931 |
| .200 | 4.100 | .17730 | .04200 | .04860 | .17980 | .02927 | .00380 | .00900 | -.02400 | .55200 | .04123 |
| .200 | 6.150 | .28360 | .04970 | .04600 | .28730 | .01907 | .00330 | .00680 | -.02100 | .59300 | .04150 |
| .200 | 8.210 | .38510 | .05990 | .04560 | .38970 | .00435 | .00313 | .00900 | -.02000 | .[illegible]900 | .04210 |
| .200 | 10.320 | .49410 | .07690 | .04640 | .49980 | -.01288 | .00240 | .00890 | -.01800 | .61700 | .04299 |
| .200 | 12.340 | .59660 | .10100 | .04560 | .60440 | -.02885 | .00130 | .00700 | -.01300 | .62400 | .04372 |
| .200 | 14.400 | .71100 | .13710 | .04310 | .72270 | -.04407 | .00040 | .00580 | -.01000 | .63000 | .04343 |
| .200 | 16.440 | .82530 | .18860 | .03820 | .84490 | -.05280 | -.00010 | .00700 | -.00850 | .63500 | .04661 |
| .200 | 18.520 | .93360 | .25770 | .03240 | .96710 | -.05227 | .00340 | .00810 | -.01400 | .67[illegible] | .05[illegible] |
| .200 | 20.580 | 1.03870 | .32400 | .03024 | 1.08630 | -.[illegible]6176 | .00220 | .00450 | -.00900 | .63[illegible] | .0[illegible] |
| .200 | 22.640 | 1.13630 | .39490 | .03160 | 1.20060 | -.07310 | .00190 | .00420 | -.[illegible]000 | .[illegible] | [illegible] |
| .200 | 24.7[illegible] | 1.19930 | .46890 | .03760 | 1.28550 | -.07516 | -.00050 | .00370 | -.00200 | .641[illegible] | .[illegible]416 |
| .200 | 26.730 | 1.20670 | .52850 | .04950 | 1.31500 | -.07053 | -.00190 | .00260 | .00000 | .63[illegible] | .07175 |
| .200 | 28.720 | [illegible]9610 | [illegible]4[illegible]00 | .[illegible]0324 | 1.22410 | -.04717 | -.00210 | .00410 | -.00650 | .62[illegible] | .[illegible]7759 |
| .200 | 30.750 | 1.03480 | .57900 | .[illegible]1[illegible] | .[illegible]6540 | -.03167 | .00280 | .00530 | .02000 | .61[illegible] | .07572 |
| | GRADIENT | .04457 | [illegible]1154 | .[illegible]1[illegible] | .04524 | -.00137 | .00167 | .00110 | -.00232 | -.[illegible] | -.[illegible]618 |

OA86 B50C9 M7F8 W116E26V8R5X9 (RDX239) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = .000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 239/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.23650 | .03650 | .07020 | -.23950 | .03937 | -.00100 | .00110 | -.00300 | .75900 | .04025 |
| .200 | -2.080 | -.15140 | .04740 | .07340 | -.15300 | .04192 | -.00110 | .00060 | -.00270 | .82800 | .04000 |
| .200 | -1.040 | -.10080 | .04440 | .07540 | -.10960 | .04243 | -.00010 | .00200 | -.00700 | .90500 | .03911 |
| .200 | -.020 | -.06550 | .04100 | .07810 | -.06560 | .04 3 | .00160 | .00430 | -.01400 | 1.09000 | .04023 |
| .200 | .990 | -.02530 | .03990 | .08000 | -.02460 | .04038 | .00270 | .00670 | -.02000 | 1.84600 | .03774 |
| .200 | 2.030 | .02340 | .03870 | .08030 | .02470 | .03791 | .00300 | .00730 | -.02100 | -.54200 | .03832 |
| .200 | 4.090 | .12010 | .04020 | .08110 | .12260 | .03159 | .00350 | .00850 | -.02300 | .40800 | .03643 |
| .200 | 6.130 | .21890 | .04480 | .08010 | .22250 | .02123 | .00350 | .00920 | -.02300 | .51900 | .03540 |
| .200 | 8.210 | .32490 | .05380 | .07980 | .32840 | .00698 | .00300 | .00900 | -.01900 | .56200 | .03557 |
| .200 | 10.250 | .42730 | .06860 | .08040 | .43270 | -.00854 | .00290 | .00930 | -.01900 | .58300 | .03581 |
| .200 | 12.320 | .53170 | .08990 | .08130 | .53860 | -.02563 | .00170 | .00750 | -.01500 | .59600 | .03727 |
| .200 | 14.370 | .65520 | .12280 | .07580 | .66520 | -.04374 | .00050 | .00560 | -.01100 | .61000 | .04029 |
| .200 | 16.430 | .76950 | .17060 | .07160 | .78630 | -.05406 | .00000 | .00710 | -.00800 | .61800 | .04290 |
| .200 | 18.500 | .87790 | .23670 | .06550 | .90760 | -.05416 | .00350 | .00840 | -.01500 | .62500 | .04629 |
| .200 | 20.560 | .98660 | .30130 | .06340 | 1.02690 | -.06442 | .00220 | .00500 | -.00900 | .62900 | .05073 |
| .200 | 22.620 | 1.08690 | .37000 | .06460 | 1.14560 | -.07643 | .00190 | .00390 | -.00700 | .63100 | .05341 |
| .200 | 24.680 | 1.14060 | .43840 | .07030 | 1.21950 | -.07795 | -.00020 | .00390 | -.00200 | .63000 | .05885 |
| .200 | 26.710 | 1.15350 | .49780 | .09140 | 1.25410 | -.07385 | -.00140 | .00290 | .00100 | .62500 | .06744 |
| .200 | 28.700 | 1.02420 | .50690 | .14260 | 1.14180 | -.04733 | -.00200 | -.00330 | -.00300 | .60600 | .07256 |
| .200 | 30.740 | .97350 | .53690 | .16140 | 1.11120 | -.03615 | .00360 | .00563 | -.02000 | .59600 | .07540 |
| | GRADIENT | .04312 | -.00202 | .00144 | .04383 | -.00096 | .00067 | .00111 | -.00304 | -.07457 | -.00046 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX240) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 240/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.23730 | .05700 | .07630 | -.24070 | .03977 | .00000 | .00100 | -.01000 | .76800 | .04285 |
| .200 | -2.090 | -.15760 | .04740 | .08100 | -.15930 | .04161 | .00000 | .00050 | -.01000 | .83900 | .04152 |
| .200 | -1.060 | -.11180 | .04370 | .08160 | -.11260 | .04171 | .00060 | .00160 | -.01300 | .91800 | .04058 |
| .200 | -.010 | -.07000 | .04010 | .08440 | -.07000 | .04011 | .00130 | .00360 | -.01800 | 1.09500 | .04001 |
| .200 | .990 | -.02700 | .03780 | .08600 | -.02630 | .03834 | .00160 | .00450 | -.01900 | 1.85200 | .04042 |
| .200 | 2.020 | .02040 | .03760 | .08550 | .02170 | .03690 | .00140 | .00470 | -.01900 | -.79400 | .03906 |
| .200 | 4.060 | .11550 | .03970 | .08680 | .11800 | .03142 | .00040 | .00440 | -.01600 | .38100 | .03873 |
| .200 | 6.140 | .21760 | .04630 | .08450 | .22130 | .02283 | -.00010 | .00440 | -.01500 | .51100 | .03644 |
| .200 | 8.190 | .31730 | .05390 | .08670 | .32170 | .00815 | .00050 | .00670 | -.01850 | .55200 | .03639 |
| .200 | 10.260 | .42050 | .06910 | .08830 | .42610 | -.00690 | .00040 | .00680 | -.01600 | .57500 | .03634 |
| .200 | 12.320 | .52250 | .08850 | .09130 | .52930 | -.02495 | .00010 | .00550 | -.01450 | .58800 | .03611 |
| .200 | 14.370 | .63400 | .12050 | .08720 | .64410 | -.04061 | .00000 | .00470 | -.01200 | .60200 | .03667 |
| .200 | 16.420 | .75030 | .16460 | .08470 | .76620 | -.05421 | -.00050 | .00530 | -.01050 | .61100 | .04203 |
| .200 | 18.500 | .85790 | .22870 | .07750 | .88610 | -.05528 | .00180 | .00650 | -.01410 | .61900 | .04513 |
| .200 | 20.550 | .96800 | .29430 | .07520 | 1.00970 | -.06437 | .00180 | .00410 | -.00900 | .62400 | .04344 |
| .200 | 22.620 | 1.05940 | .35860 | .07560 | 1.11 80 | -.07649 | .00130 | .00250 | -.00800 | .62700 | .05162 |
| .200 | 24.680 | 1.12950 | .42070 | .08170 | 1.20620 | -.08037 | -.00030 | .00340 | -.00400 | .62700 | .05639 |
| .200 | 26.700 | 1.13730 | .48770 | .10150 | 1.23510 | -.07544 | -.00180 | .00340 | -.00200 | .62100 | .06442 |
| .200 | 28.700 | 1.09670 | .49580 | .15910 | 1.12110 | -.04857 | -.00370 | .00370 | -.00500 | .59900 | .07161 |
| .200 | 30.730 | .93090 | .51750 | .18090 | 1.06460 | -.03091 | .00190 | .00250 | -.01700 | .58400 | .07515 |
| | GRADIENT | .04304 | -.00220 | .00129 | .04376 | -.00107 | .00013 | .00058 | -.00112 | -.00214 | -.00057 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX241) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .200

RUN NO. 241/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | -.05120 | .03100 | .07670 | -.05120 | .03107 | -.01170 | .01620 | .13100 | 1.11500 | .04442 |
| .200 | -5.000 | -.06650 | .03810 | .07650 | -.06650 | .03808 | -.00360 | .00510 | .06520 | 1.11500 | .04240 |
| .200 | .000 | -.06930 | .04060 | .08550 | -.06940 | .04061 | .00090 | .00110 | -.01100 | 1.10500 | .04355 |
| .200 | 5.000 | -.04250 | .04270 | .07640 | -.04250 | .04270 | .00550 | -.00310 | -.03010 | 1.11500 | .04014 |
| .200 | 10.000 | -.01320 | .03420 | .07670 | .01320 | .03325 | .01650 | -.00490 | .00000 | 2.51600 | .03995 |
| | GRADIENT | .00240 | .00046 | -.00005 | .00240 | .00046 | .00091 | -.00145 | -.00114 | .02255 | .00005 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX242) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 242/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .17820 | .03050 | .07430 | .18020 | .01452 | -.01310 | .02180 | .13600 | .55000 | .04358 |
| .200 | -5.020 | .17210 | .03590 | .08350 | .17470 | .02052 | -.00420 | .01340 | .05600 | .46300 | .04084 |
| .200 | .000 | .17880 | .04150 | .08870 | .18180 | .02547 | .00000 | .00440 | -.01100 | .47200 | .03778 |
| .200 | 5.030 | .18 60 | .04110 | .08360 | .18360 | .02494 | .00670 | .00140 | -.10500 | .48400 | .03975 |
| .200 | 10.0 0 | .2 640 | .0 347 | .07570 | .2 870 | .0161 | .01720 | -.00770 | -.19700 | .51800 | .04415 |
| | GRADIENT | .0 0 4 | .00 52 | -.00759 | .01088 | .00044 | .00102 | -.00419 | -.01600 | .00208 | -.00011 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX243) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 13.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15. 875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 243/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .42840 | .05760 | .07390 | .43180 | -.01954 | -.01590 | .02890 | .13700 | .58900 | .04502 |
| .200 | -5.020 | .42360 | .06490 | .0e e0 | .42840 | -.01154 | -.00710 | .01340 | .05600 | .5e2 5 | .03416 |
| .200 | .000 | .42450 | .07000 | .0e350 | .42970 | -.00957 | -.00150 | .00600 | -.01000 | .57900 | .03751 |
| .200 | 5.040 | .43470 | .06140 | .0e e2 | .43870 | -.01684 | .00640 | -. 4 0 | -.0 7 0 | .578 | .03722 |
| .200 | 10.070 | .44 10 | .05170 | .0e3 | .45110 | -.02900 | .02190 | -. 1160 | -.2 1 0 | .5 3 0 | .04 1 |
| | GRADIENT | .0 110 | -.0 035 | .01 73 | .01052 | .00153 | .00134 | -. 213 | -.01521 | -.0 04 | -. 019 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX244) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 15.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 244/ 0 RN/L = 1.42 GRADIENT INTS = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .69750 | .13240 | .06760 | .70770 | -.05733 | -.1450 | .03660 | .13500 | .61690 | .04406 |
| .200 | -5.050 | .69550 | .13740 | .08250 | .70710 | -.05205 | -.00810 | .02000 | .06100 | .60900 | .04462 |
| .200 | -.025 | .69900 | .14000 | .08830 | .71110 | -.05053 | -.00306 | .00420 | -.00400 | .60605 | .04082 |
| .200 | 5.020 | .70240 | .13560 | .08740 | .71320 | -.05567 | .00600 | -.00770 | -.09200 | .60770 | .03854 |
| .200 | 10.060 | .70850 | .12920 | .07770 | .71740 | -.06337 | .02080 | -.02200 | -.19700 | .61200 | .04330 |
| | GRADIENT | .00369 | -.00018 | .00249 | .00061 | -.00036 | .00140 | -.00275 | -.01519 | -.00520 | -.00121 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX245) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .200 | | |

RUN NO. 245/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.04120 | .05650 | .07740 | -.24470 | .03897 | -.00030 | -.00160 | -.00700 | .76450 | .04285 |
| .200 | -2.090 | -.15230 | .04790 | .07950 | -.15490 | .04146 | -.00630 | -.00330 | -.01100 | .84230 | .04165 |
| .200 | -1.040 | -.10580 | .04350 | .08030 | -.10660 | .04156 | .00990 | .00530 | -.01100 | .92020 | .04075 |
| .200 | -.020 | -.06880 | .04720 | .08320 | -.06880 | .04018 | .01370 | .00220 | -.01600 | 1.00150 | .04150 |
| .200 | .990 | -.02530 | .05150 | .08510 | -.02460 | .03933 | .00840 | .00390 | -.01500 | 1.02200 | .04084 |
| .200 | 2.020 | .02010 | .05390 | .08570 | .02150 | .03907 | -.00470 | -.00250 | -.01410 | -.81000 | .03962 |
| .200 | 4.050 | .11990 | .06140 | .08460 | .12260 | .03294 | -.01230 | -.00640 | -.01400 | .39400 | .04065 |
| .200 | 6.130 | .22250 | .07420 | .08280 | .22540 | .02418 | -.01170 | -.00590 | -.01300 | .51700 | .03694 |
| .200 | 8.190 | .32760 | .09170 | .08440 | .32550 | .01103 | -.01130 | -.00550 | -.01400 | .556 | .03676 |
| .200 | 10.240 | .42470 | .11130 | .08570 | .43120 | -.00528 | -.01110 | -.00530 | -.01420 | .63 | .03661 |
| .200 | 12.310 | .52660 | .13130 | .08660 | .53610 | -.02361 | -.01110 | -.00530 | -.01420 | .69 | .03701 |
| .200 | 14.370 | .64220 | .12340 | .08570 | .65250 | -.03986 | -.01120 | -.00530 | -.01420 | .73 | .03773 |
| .200 | 16.420 | .75540 | .16660 | .08360 | .77180 | -.05361 | -.00140 | -.00060 | -.01420 | .77 | .04 |
| .200 | 18.490 | .86910 | .20210 | .08370 | .88750 | -.05551 | .00130 | .00060 | -.01410 | .79 | .04 |
| .200 | 20.550 | .97110 | .29540 | .08750 | 1.01290 | -.06433 | .00120 | .00060 | -.01410 | .81 | |
| .200 | 22.620 | 1.07330 | .36240 | .09770 | 1.13010 | -.07026 | .00120 | .00060 | -.01410 | .82 | .04 |
| .200 | 24.660 | 1.13780 | .43280 | .10460 | 1.21440 | -.06141 | -.00070 | -.00030 | -.01410 | .84 | .04 |
| .200 | 26.710 | 1.14510 | .49160 | .10540 | 1.24350 | -.07657 | -.00220 | -.00110 | -.01410 | .84 | .04148 |
| .200 | 28.760 | 1.01370 | .49420 | .10330 | 1.12650 | -.05349 | -.00170 | -.00080 | -.01410 | .85 | .04 |
| .200 | 30.820 | .93460 | .55140 | .10140 | 1.06690 | -.03159 | .00120 | .00060 | -.01410 | .86 | .04 |
| | GRADIENT | .4547 | -.0[illegible] | .0[illegible] | .4422 | -.1[illegible] | -.0[illegible] | .0[illegible] | -.0[illegible] | -.0[illegible] | -.0[illegible] |

CA86 B48C9 MTF8 W116E26V8R5X9+RK (RDx246) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4115 SQ.FT. XMRP = 45.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .100

RUN NO. 246/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | -.04110 | .03020 | .06490 | -.04110 | .03024 | -.01240 | .01510 | .13200 | 1.23200 | .04609 |
| .200 | -5.000 | -.04730 | .03780 | .06110 | -.06740 | .03779 | -.00410 | .01030 | .05100 | 1.09500 | .04149 |
| .200 | -.010 | -.06740 | .03850 | .06750 | -.06740 | .03851 | .00090 | .00190 | -.01300 | 1.12900 | .04197 |
| .200 | 5.000 | -.04320 | .04100 | .07930 | -.04320 | .04101 | .00510 | -.00500 | -.00700 | 1.32700 | .04325 |
| .200 | 10.000 | -.01760 | .03300 | .06670 | -.01760 | .03304 | .01530 | -.00510 | -.00400 | 2.04100 | .04021 |
| | GRADIENT | .00240 | .00032 | -.00016 | .00241 | .00032 | .00191 | -.00152 | -.01372 | .2307 | .00018 |

CA86 B48C9 MTF8 W116E26V8R5X9+RK (RDx247) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4115 SQ.FT. XMRP = 45.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .100

RUN NO. 247/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .17740 | .02850 | .07700 | .17890 | .01265 | -.01300 | .02080 | .13500 | .49300 | .04387 |
| .200 | -5.000 | .16760 | .03560 | .07540 | .17010 | .02055 | -.00460 | .01140 | .05200 | .45600 | .04107 |
| .200 | -.010 | .17720 | .04120 | .09140 | .18000 | .02427 | -.00020 | .00200 | -.01100 | .46500 | .03883 |
| .200 | 5.020 | .18510 | .04160 | .10390 | .18640 | .02396 | .00620 | .00130 | -.01400 | .48700 | .03947 |
| .200 | 10.000 | .21970 | .05335 | .07600 | .21190 | .01491 | .01740 | -.00980 | -.01940 | .52100 | .04445 |
| | GRADIENT | .00174 | .00150 | -.00065 | .00178 | .00034 | .00197 | -.00118 | -.00620 | .0358 | -.00016 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDx248) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .190

RUN NO. 248/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .43130 | .05750 | .07530 | .43470 | -.02010 | -.01680 | .02800 | .13700 | .58800 | .04565 |
| .200 | -5.000 | .42480 | .06530 | .08120 | .42970 | -.01131 | -.00720 | .01920 | .05500 | .58200 | .03872 |
| .200 | -.010 | .42020 | .06550 | .09630 | .43300 | -.01173 | -.00140 | .00490 | -.00800 | .57000 | .03670 |
| .200 | 5.030 | .43950 | .05780 | .09680 | .44260 | -.02137 | .00640 | -.00670 | -.09400 | .57000 | .03752 |
| .200 | 10.070 | .45140 | .05320 | .08320 | .45360 | -.02800 | .02173 | -.01280 | -.20100 | .58400 | .04391 |
| | GRADIENT | .00146 | -.00075 | .00175 | .00130 | -.00100 | .00135 | -.00257 | -.01481 | -.00119 | -.00012 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDx249) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .190

RUN NO. 249/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.080 | .70430 | .14020 | .06460 | .71620 | -.05173 | -.01490 | .03550 | .13e-[illegible] | .61800 | .04398 |
| .200 | -5.040 | .69680 | .13640 | .[illegible]660 | .71040 | -.04595 | -.[illegible] | .02[illegible] | .0564[illegible] | .60690 | .03973 |
| .200 | -.020 | .70760 | .14020 | .[illegible]9260 | .71940 | -.05268 | -.04260 | .02[illegible]60 | -.0[illegible]100 | .60400 | .04146 |
| .200 | 5.020 | .70450 | .13690 | .[illegible]6600 | .71560 | -.05503 | .01[illegible]50 | -.0[illegible]0[illegible] | -.0[illegible]830 | .60500 | .[illegible]74 |
| .200 | 10.070 | .71060 | .13150 | .[illegible]7760 | .72[illegible]2 | -.06188 | .02[illegible]60 | -.02350 | -.19490 | .61250 | .04336 |
| | GRADIENT | .00[illegible]57 | .00[illegible]5 | -.00[illegible]18 | .00[illegible]56 | -.00[illegible]11 | .00[illegible]135 | -.00[illegible]267 | -.01511 | .00[illegible]10 | -.00[illegible]31 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX250) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .045 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000
N2FLOW = .050

RUN NO. 250/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.24060 | .05650 | .07780 | | .03899 | .00070 | -.00140 | -.00700 | .76900 | .04308 |
| .200 | -2.100 | -.15010 | .04740 | .07910 | -.5180 | .04188 | .00090 | .00000 | -.00900 | .84400 | .04168 |
| .200 | -1.080 | -.10720 | .04290 | .08090 | -.1.4800 | .04097 | .00130 | .00080 | -.01100 | .92800 | .04229 |
| .200 | -.010 | -.06220 | .04120 | .08160 | -.06220 | .04119 | .00190 | .00280 | -.01600 | 1.13400 | .04038 |
| .200 | .990 | -.02150 | .03780 | .08400 | -.01980 | .03821 | .00250 | .00460 | -.01900 | 2.20500 | .04118 |
| .200 | 2.030 | .02910 | .03780 | .08370 | .03040 | .03683 | .00230 | .00450 | .01800 | -.35900 | .03998 |
| .200 | 4.070 | .12290 | .04075 | .08470 | .12550 | .03186 | .00110 | .00360 | -.01600 | .48100 | .03941 |
| .200 | 6.140 | .22830 | .04740 | .08300 | .23210 | .02272 | .00040 | .00410 | -.01400 | .52400 | .03682 |
| .200 | 8.210 | .32980 | .05650 | .08360 | .33450 | .02893 | .00040 | .00470 | -.01500 | .56700 | .03684 |
| .200 | 10.250 | .42920 | .07060 | .08490 | .43490 | -.00687 | .00070 | .00540 | -.01600 | .58400 | .03679 |
| .200 | 12.300 | .53280 | .09040 | .08790 | .53980 | -.02520 | .00040 | .00400 | -.01300 | .59200 | .03873 |
| .200 | 14.370 | .63910 | .12310 | .08620 | .64970 | -.03935 | .00030 | .00330 | -.01100 | .60300 | .03996 |
| .200 | 16.420 | .75850 | .16860 | .08250 | .77510 | -.05330 | .00000 | .00400 | -.01900 | .61200 | .04242 |
| .200 | 18.500 | .87410 | .23540 | .07510 | .90360 | -.05415 | .00450 | .00720 | -.01500 | .62100 | .04617 |
| .200 | 20.550 | .97540 | .29690 | .07360 | 1.01750 | -.06433 | .00390 | .00350 | -.01000 | .62500 | .05056 |
| .200 | 22.610 | 1.07600 | .36330 | .07650 | 1.13300 | -.07835 | .00370 | .00230 | -.01100 | .62700 | .05380 |
| .200 | 24.670 | 1.13560 | .43440 | .08220 | 1.21330 | -.07937 | .00120 | .00230 | -.00400 | .62700 | .05898 |
| .200 | 26.710 | 1.14320 | .48990 | .10530 | 1.24140 | -.07634 | .00000 | .00180 | -.01200 | .62100 | .06730 |
| .200 | 28.710 | 1.03130 | .50410 | .15910 | 1.14670 | -.05325 | .00390 | .00170 | -.01200 | .61100 | .07470 |
| .200 | 30.720 | .9392[illegible] | .51930 | .18590 | 1.07270 | -.03341 | .00440 | .00330 | -.02000 | .58800 | .07780 |
| | GRADIENT | .04401 | -.00203 | .00092 | .04475 | -.00096 | .00013 | .00078 | -.00144 | -.00024 | -.00045 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX251) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .045 SCALE

PARAMETRIC DATA

ALPHA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000
N2FLOW = .050

RUN NO. 251/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -5.000 | -.3865 | .2971 | .0552 | -.3864 | .2776 | -.0106 | .0010 | .0100 | .5000 | .0556 |
| .200 | -3.000 | -.2736 | .1361 | .0741 | -.2637 | .1614 | -.0210 | .0020 | .0200 | .5000 | .0357 |
| .200 | -1.000 | -.1676 | .0376 | .0844 | -.1676 | .0777 | -.0294 | .0030 | .0300 | .5000 | .0211 |
| .200 | .000 | -.0451 | .0046 | .0776 | -.0451 | .0046 | -.0000 | .0000 | .0000 | .5000 | .0100 |
| .200 | 1.000 | .0741 | .0046 | .0776 | .0741 | .0046 | .0000 | .0000 | .0000 | .5000 | .0100 |
| .200 | 3.000 | .1676 | .0376 | .0844 | .1676 | .0777 | .0294 | .0030 | .0300 | .5000 | .0211 |
| .200 | 5.000 | .2736 | .1361 | .0741 | .2637 | .1614 | .0210 | .0020 | .0200 | .5000 | .0357 |
| .200 | 7.000 | .3865 | .2971 | .0552 | .3864 | .2776 | .0106 | .0010 | .0100 | .5000 | .0556 |

OA86 B48C9 M7F8 W116E28V8R5X9+RK (RDX252) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2480 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 252/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .18050 | .02900 | .07430 | .18240 | .01287 | -.01240 | .01990 | .13800 | .59200 | .04419 |
| .200 | -5.010 | .17540 | .03680 | .08310 | .17790 | .02111 | -.01420 | .01180 | .06000 | .48000 | .04568 |
| .200 | -.010 | .17770 | .04220 | .08650 | .18080 | .02625 | .00110 | .00360 | -.01100 | .47600 | .05736 |
| .200 | 5.020 | .18600 | .03940 | .08530 | .18880 | .02274 | .00830 | .00010 | -.10300 | .46000 | .04797 |
| .200 | 10.080 | .21000 | .03420 | .07580 | .21220 | .01539 | .01960 | -.00790 | -.19800 | .52000 | .04461 |
| | GRADIENT | .00106 | .00026 | .00022 | .00109 | .00016 | .00125 | -.00117 | -.01625 | .00050 | .00003 |

OA86 B48C9 M7F8 W116E28V8R5X9+RK (RDX253) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2480 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 253/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | .43690 | .05780 | .07430 | .44020 | -.02082 | -.01500 | .02730 | .13900 | .58900 | .04535 |
| .200 | -5.010 | .43160 | .05910 | .09430 | .43530 | -.01868 | -.00540 | .01830 | .06100 | .57200 | .05[illegible] |
| .200 | .000 | .43240 | .06540 | .09350 | .43710 | -.01254 | .00730 | .00430 | -.01600 | .5735[illegible] | .06[illegible] |
| .200 | 5.020 | .44250 | .06230 | .08320 | .4463 | -.01744 | .00910 | -.00510 | -.09600 | .5480[illegible] | .05[illegible] |
| .200 | 10.070 | .45650 | .05350 | .06210 | .45860 | -.02858 | .02350 | -.01210 | -.20200 | .55600 | .04454 |
| | GRADIENT | .00107 | .00052 | -.00111 | .00110 | .00012 | .00145 | -.00213 | -.01565 | .00110 | -.00001 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX254) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .950

RUN NO. 254/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.070 | .70480 | .14130 | .06480 | .71700 | -.05100 | -.01450 | .03610 | .13800 | .61800 | .04379 |
| .200 | -5.050 | .69650 | .13840 | .08140 | .70820 | -.05158 | -.00770 | .01940 | .06200 | .60900 | .04027 |
| .200 | .000 | .70440 | .14090 | .08860 | .71650 | -.05132 | -.00280 | .00350 | -.00300 | .60600 | .04154 |
| .200 | 5.020 | .70830 | .13660 | .08850 | .71910 | -.05647 | .00650 | -.00830 | -.09000 | .60600 | .04031 |
| .200 | 10.080 | .71230 | .13240 | .07560 | .72190 | -.06169 | .02000 | -.02310 | .19300 | .61300 | .04294 |
| | GRADIENT | .00117 | -.00018 | .00071 | .00108 | -.00049 | .00141 | -.00275 | -.01509 | -.00030 | .00000 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX255) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 255/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.23560 | .05550 | .07690 | -.23900 | .03849 | .00000 | -.00140 | -.00700 | .77000 | .04461 |
| .200 | -2.070 | -.14720 | .04660 | .07900 | -.14880 | .04127 | .00020 | -.00030 | -.00800 | .84700 | .04410 |
| .200 | -1.040 | -.09990 | .04330 | .07890 | -.10070 | .04149 | .00060 | .00060 | -.01100 | .94000 | .04296 |
| .200 | .000 | -.06160 | .03950 | .08290 | -.06360 | .03955 | .00150 | .00330 | -.01800 | 1.13100 | .04207 |
| .200 | .990 | -.01840 | .03690 | .08410 | -.01770 | .03726 | .00160 | .00400 | -.01700 | 2.39100 | .04194 |
| .200 | 2.030 | .02820 | .03850 | .08490 | .02950 | .03749 | .00090 | .00310 | -.01500 | -.40400 | .04130 |
| .200 | 4.090 | .12690 | .04010 | .08500 | .12940 | .03101 | .00030 | .00310 | -.01400 | .41000 | .03991 |
| .200 | 6.140 | .22590 | .04640 | .08430 | .22870 | .02211 | -.00020 | .00300 | -.01300 | .51600 | .03814 |
| .200 | 8.200 | .33080 | .05540 | .08335 | .33540 | .00760 | .00000 | .00460 | -.01500 | .56200 | .03737 |
| .200 | 10.240 | .43300 | .07090 | .08360 | .43870 | -.00726 | .00020 | .00480 | -.01500 | .58100 | .03766 |
| .200 | 12.320 | .53580 | .09210 | .08580 | .54310 | -.02440 | -.00010 | .00380 | -.01300 | .59300 | .03833 |
| .200 | 14.370 | .65080 | .12410 | .08470 | .66130 | -.04132 | .00000 | .00350 | -.01200 | .60500 | .04070 |
| .200 | 16.430 | .76450 | .16870 | .08240 | .78110 | -.05449 | -.00060 | .00410 | -.00600 | .61300 | .04318 |
| .200 | 18.500 | .87890 | .23600 | .07440 | .90840 | -.05506 | .00390 | .00690 | -.01500 | .62100 | .04706 |
| .200 | 20.560 | .98410 | .29940 | .07380 | 1.02650 | -.06536 | .00320 | .00300 | -.00900 | .62500 | .05107 |
| .200 | 22.620 | 1.07960 | .36460 | .07570 | 1.13680 | -.07882 | .00310 | .00210 | -.01300 | .62700 | .05498 |
| .200 | 24.680 | 1.14220 | .43570 | .08330 | 1.21980 | -.08105 | .00040 | .00190 | -.01400 | .62700 | .06079 |
| .200 | 26.720 | 1.14640 | .49060 | .10650 | 1.24460 | -.07722 | .00050 | .00140 | -.00200 | .62000 | .06356 |
| .200 | 28.720 | 1.04410 | .50680 | .15930 | 1.15920 | -.05727 | .00070 | .00540 | -.01500 | .60100 | .07679 |
| .200 | 30.730 | .93630 | .51800 | .18610 | 1.06950 | -.03322 | .00290 | [illegible] | -.01900 | [illegible] | .07646 |
| | GRADIENT | .04370 | -.00195 | .00115 | .04442 | -.0[illegible]17 | .00008 | [illegible] | [illegible] | [illegible] | [illegible] |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX256) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 256/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.050 | -.03290 | .03020 | .06160 | -.03290 | .03023 | -.01220 | .01680 | .13100 | 1.34000 | .04761 |
| .200 | -5.020 | -.06100 | .03650 | .07870 | -.06100 | .03654 | -.00400 | .00930 | .05700 | 1.12600 | .04284 |
| .200 | .000 | -.08050 | .03870 | .08330 | -.06050 | .03878 | .00190 | .00100 | -.00900 | 1.15800 | .04179 |
| .200 | 5.020 | -.03930 | .04070 | .07520 | -.03930 | .04070 | .00680 | -.00520 | -.08700 | 1.35500 | .04474 |
| .200 | 10.070 | -.01160 | .03380 | .06140 | -.01160 | .03388 | .01750 | -.00730 | -.18700 | 2.58800 | .04854 |
| | GRADIENT | .00216 | .00042 | -.00035 | .00216 | .00041 | .00108 | -.00144 | -.01434 | .02281 | .00019 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX257) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 257/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.070 | .18610 | .02830 | .07360 | .18790 | .01168 | -.01390 | .02090 | .14200 | .50700 | .04609 |
| .200 | -5.020 | .18260 | .03430 | .08250 | .18500 | .01793 | -.00530 | .01080 | .06400 | .48700 | .04296 |
| .200 | .000 | .18290 | .03990 | .08570 | .18580 | .02345 | .00100 | .00240 | -.01000 | .48200 | .03965 |
| .200 | 5.040 | .19080 | .03880 | .08160 | .19350 | .02162 | .00860 | -.00080 | -.10200 | .49600 | .04190 |
| .200 | 10.080 | .21620 | .03370 | .07080 | .21830 | .01427 | .01990 | -.00910 | -.19000 | .53200 | .04627 |
| | GRADIENT | .00082 | .00045 | -.00009 | .00085 | .00037 | .00138 | -.00115 | -.01650 | .00790 | -.00011 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX258) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 258/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.070 | .43660 | .05700 | .07420 | .43980 | -.02163 | -.01590 | .02880 | .13800 | .59000 | .04727 |
| .200 | -5.040 | .43390 | .06380 | .08140 | .43840 | -.01455 | -.00640 | .01800 | .05900 | .58300 | .04028 |
| .200 | -.010 | .43540 | .06750 | .08590 | .44050 | -.01111 | .00000 | .00420 | -.00700 | .58000 | .03796 |
| .200 | 5.020 | .44690 | .06180 | .08250 | .45080 | -.01877 | .00940 | -.00660 | -.09500 | .58400 | .03954 |
| .200 | 10.080 | .46030 | .05480 | .07630 | .46270 | -.02812 | .02380 | -.01340 | -.20200 | .59100 | .04558 |
| | GRADIENT | .00129 | -.00020 | .00011 | .00123 | -.00042 | .00157 | -.00245 | -.01531 | .00010 | -.00007 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX259) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 259/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.080 | .70650 | .14210 | .06440 | .71880 | -.05084 | -.01470 | .03710 | .13700 | .61900 | .04447 |
| .200 | -5.060 | .70190 | .13980 | .06020 | .71380 | -.05176 | -.00660 | .02070 | .05800 | .61000 | .04119 |
| .200 | -.020 | .70890 | .14200 | .06620 | .72120 | -.05152 | -.00080 | .00280 | -.00300 | .60700 | .04184 |
| .200 | 5.030 | .71130 | .13830 | .06550 | .72250 | -.05568 | .00700 | -.00930 | -.09000 | .60600 | .04030 |
| .200 | 10.090 | .71750 | .13410 | .07300 | .72730 | -.06147 | .02060 | -.02500 | -.19300 | .61500 | .04493 |
| | GRADIENT | .00093 | -.00015 | .00053 | .00086 | -.00039 | .00135 | -.00297 | -.01467 | -.00020 | -.00009 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX260) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .020

RUN NO. 260/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.23770 | .05630 | .07730 | -.24110 | .03904 | -.00110 | -.00 | -.00600 | .77000 | .04488 |
| .200 | -2.080 | -.14710 | .04670 | .07860 | -.14870 | .04135 | -.00090 | -.00120 | -.00800 | .84600 | .04414 |
| .200 | -1.050 | -.10100 | .04470 | .07980 | -.10180 | .04290 | -.00060 | .00060 | -.01100 | .94000 | .04171 |
| .200 | -.010 | -.06050 | .03980 | .08260 | -.06050 | .03982 | .00000 | .00270 | -.01600 | 1.15400 | .04250 |
| .200 | .980 | -.01510 | .03950 | .08230 | -.01450 | .03977 | .00030 | .00360 | -.01700 | 2.73200 | .04044 |
| .200 | 2.020 | .03170 | .03920 | .08360 | .03310 | .03813 | .00010 | .00360 | -.01600 | -.27600 | .04091 |
| .200 | 4.060 | .12720 | .04190 | .08340 | .12990 | .03283 | -.00090 | .00270 | -.01300 | .41500 | .03944 |
| .200 | 6.130 | .22930 | .04870 | .08190 | .23320 | .02394 | -.00150 | .00330 | -.01300 | .52200 | .03709 |
| .200 | 8.190 | .33230 | .05760 | .08150 | .33710 | .00963 | -.00170 | .00400 | -.01300 | .56300 | .03744 |
| .200 | 10.280 | .43740 | .07250 | .08200 | .44330 | -.00670 | -.00120 | .00470 | -.01300 | .58400 | .03661 |
| .200 | 12.320 | .54330 | .09290 | .08460 | .55060 | -.02514 | -.00120 | .00420 | -.0121[illegible] | .59500 | .03927 |
| .200 | 14.370 | .65080 | .12540 | .08300 | .66160 | -.04906 | -.00110 | .00360 | -.01200 | .60500 | .03976 |
| .200 | 16.420 | .76380 | .17020 | .08170 | .78070 | -.05267 | -.00140 | .00410 | -.00800 | .61300 | .04276 |
| .200 | 18.490 | .88150 | .23520 | .07500 | .91060 | -.05665 | .00280 | .00660 | -.01400 | .62100 | .04833 |
| .200 | 20.560 | .97740 | .29870 | .07450 | 1.02000 | -.06362 | .00220 | .00310 | -.01000 | .62500 | .04992 |
| .200 | 22.660 | 1.07610 | .36610 | .07600 | 1.13410 | -.07680 | .00190 | .00230 | -.00800 | .62700 | .05326 |
| .200 | 24.660 | 1.13820 | .43700 | .08250 | 1.21620 | -.07786 | -.00030 | .00250 | -.00400 | .62700 | .05917 |
| .200 | 26.710 | 1.14530 | .49150 | .10750 | 1.24400 | -.07571 | -.00160 | .00130 | -.00200 | .621[illegible] | .06908 |
| .200 | 28.760 | .99100 | .49180 | .18990 | 1.10540 | -.04574 | .00120 | -.00610 | -.00070 | .59500 | .07672 |
| .200 | 30.700 | .93150 | .51990 | .18260 | 1.06540 | -.02859 | .00230 | .00320 | -.0[illegible] | .5[illegible] | .07431 |
| | GRADIENT | .04423 | -.00181 | .00086 | .04495 | -.00280 | .00009 | .00075 | -.00116 | -.04374 | -.00768 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX261) ( 08 JAN 74

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .020

RUN NO. 261/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | -.03220 | .03130 | .06010 | -.03220 | .03129 | -.01260 | .01550 | .13300 | 1.[illegible] | .03741 |
| .200 | -5.040 | -.06080 | .03570 | .04550 | -.06080 | .03572 | -.00490 | .00740 | .05900 | 1.16[illegible] | .04[illegible] |
| .200 | -.020 | -.05870 | .03[illegible] | .06920 | -.05870 | .03784 | .00030 | .00010 | -.00900 | 1.211 | .04[illegible] |
| .200 | 5.020 | .03660 | .04450 | .07[illegible] | -.03660 | .04255 | .00410 | -.00640 | -.00800 | 1.42[illegible] | .04[illegible] |
| .200 | 10.[illegible] | .01030 | .03430 | .06[illegible] | -.01030 | .03432 | .01550 | -.00[illegible] | -.00[illegible] | 2.[illegible] | .04[illegible] |
| | GRADIENT | .00241 | .00068 | -.00[illegible] | .00241 | .00068 | .00069 | -.00137 | -.01412 | .02436 | .00[illegible] |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX262) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .020 | | |

RUN NO. 262/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.040 | .18790 | .02990 | .07360 | .18980 | .01315 | -.01460 | .01910 | .04100 | .50900 | .04471 |
| .200 | -5.020 | .18420 | .03750 | .08210 | .18680 | .02100 | -.00590 | .01010 | .06300 | .49000 | .04149 |
| .200 | -.020 | .18300 | .04210 | .08710 | .18600 | .02573 | -.00110 | .00220 | -.00800 | .47900 | .03934 |
| .200 | 5.000 | .19330 | .04050 | .08300 | .19620 | .02321 | .00670 | .00730 | -.10400 | .49600 | .04097 |
| .200 | 10.040 | .21950 | .03490 | .07440 | .22180 | .01521 | .01830 | -.00850 | -.19800 | .52800 | .04509 |
| | GRADIENT | .00091 | .00030 | .00009 | .00494 | .00022 | .00126 | -.00098 | -.01667 | .00060 | -.00005 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX263) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 10.000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |
| N2FLOW = | .020 | | |

RUN NO. 263/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.060 | .43880 | .06020 | .07260 | .44250 | -.01882 | -.01680 | .02760 | .13900 | .59100 | .04595 |
| .200 | -5.030 | .43520 | .06610 | .07890 | .44000 | -.01234 | -.00740 | .01770 | .05900 | .58600 | .03929 |
| .200 | -.030 | .43950 | .07010 | .08520 | .44500 | -.00914 | -.00150 | .00350 | -.00600 | .58100 | .03734 |
| .200 | 5.010 | .44670 | .06240 | .08450 | .45070 | -.01794 | .00750 | -.00620 | -.09500 | .58300 | .03961 |
| .200 | 10.020 | .45760 | .05660 | .07850 | .46040 | -.02562 | .02160 | -.01290 | -.21000 | .58900 | .04360 |
| | GRADIENT | .00115 | -.00037 | .00056 | .00107 | -.00056 | .00148 | -.00238 | -.01534 | -.00030 | .00003 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX264) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .020

RUN NO. 264/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .71210 | .14290 | .06360 | .72450 | -.05141 | -.01510 | .03590 | .13900 | .61900 | .04520 |
| .200 | -5.020 | .70340 | .14100 | .08010 | .71560 | -.05091 | -.00830 | .02010 | .06100 | .61000 | .04051 |
| .200 | .000 | .71110 | .14350 | .08690 | .72370 | -.05062 | -.00340 | .00380 | -.00200 | .60700 | .04225 |
| .200 | 5.010 | .71140 | .13840 | .08790 | .72260 | -.05554 | .00580 | -.00910 | -.09000 | .60700 | .04001 |
| .200 | 10.060 | .71640 | .13360 | .07770 | .72610 | -.06150 | .01940 | -.02420 | -.19300 | .61200 | .04434 |
| | GRADIENT | .00080 | -.00026 | .00078 | .00070 | -.00046 | .00141 | -.00291 | -.01505 | -.00030 | -.00005 |

OA86 B48C9 M7F8 W116E26V8R5X9 (RDX265) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .000

RUN NO. 265/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.23020 | .05700 | .07400 | -.23370 | .04029 | .00000 | -.00040 | -.01000 | .76800 | .04397 |
| .200 | -2.100 | -.14780 | .04650 | .07830 | -.14940 | .04110 | -.00040 | -.00060 | -.00700 | .84500 | .04356 |
| .200 | -1.050 | -.10490 | .04280 | .08000 | -.10570 | .04088 | -.00010 | .00040 | -.00900 | .93000 | .04391 |
| .200 | -.040 | -.06480 | .03950 | .08290 | -.06480 | .03949 | .00090 | .00280 | -.01700 | 1.12200 | .04192 |
| .200 | .970 | -.01 | .03710 | .08410 | -.01680 | .03741 | .00110 | .00380 | -.01700 | 2.48600 | .04198 |
| .200 | 2.010 | .03060 | .03720 | .08400 | .03130 | .03613 | .00110 | .00400 | -.01700 | -.31600 | .04139 |
| .200 | 4.050 | .12620 | .04000 | .08500 | .12870 | .03102 | -.00010 | .00310 | -.01400 | .40900 | .04018 |
| .200 | 6.180 | .23510 | .04640 | .08240 | .23880 | .02085 | -.00040 | .00440 | -.01500 | .52500 | .03791 |
| .200 | 8.190 | .33430 | .05550 | .08270 | .33890 | .00739 | -.00010 | .00490 | -.01520 | .56200 | .03811 |
| .200 | 10.230 | .43370 | .07090 | .08350 | .43940 | -.00733 | -.00010 | .00510 | -.01400 | .58200 | .03737 |
| .200 | 12.350 | .54260 | .09290 | .08590 | .55000 | -.02529 | -.00030 | .00440 | -.01200 | .5[illegible] | .03[illegible] |
| .200 | 14.380 | .65230 | .12390 | .08531 | .66260 | -.04190 | -.00020 | .00280 | -.01100 | .6[illegible] | .04[illegible] |
| .200 | 16.410 | .76300 | .17020 | .08150 | .78000 | -.05234 | -.00070 | .00470 | -.00900 | .61[illegible] | .04[illegible] |
| .200 | 18.490 | .87760 | .23640 | .07550 | .90730 | -.05411 | .00390 | .00[illegible] | -.01400 | .63[illegible] | .04[illegible] |
| .200 | 20.650 | .99010 | .30370 | .07450 | 1.03360 | -.06501 | .00[illegible] | .00[illegible] | -.00750 | .[illegible] | [illegible] |
| .200 | 22.600 | 1.07860 | .36650 | .07[illegible] | 1.13660 | -.07613 | .00180 | .00[illegible] | -.00[illegible] | .[illegible] | [illegible] |
| .200 | 24.660 | 1.13520 | .43750 | .06220 | 1.21420 | -.07613 | -.00050 | .00[illegible] | -.00430 | .6[illegible] | [illegible] |
| .200 | 26.690 | 1.14120 | .49270 | .03770 | 1.24090 | -.07257 | -.00140 | .00[illegible] | -.00300 | .61[illegible] | [illegible] |
| .200 | 28.690 | 1.05720 | .[illegible]250 | .15[illegible] | 1.17340 | -.05811 | .00060 | .00[illegible] | -.01200 | .6[illegible] | [illegible] |
| .200 | 30.710 | .93910 | .532[illegible] | .1882[illegible] | 1.07447 | -.03009 | .00260 | .[illegible] | -.[illegible] | .[illegible] | .[illegible] |
| | GRADIENT | .04352 | -.[illegible]15 | .00[illegible] | .04425 | -.[illegible]118 | .00[illegible] | .[illegible] | -.[illegible]12 | -.[illegible] | -.[illegible] |

CA86 B48C9 M7F8 W116E26V8R5X9 (RDx266) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .020

RUN NO. 266/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.23270 | .05590 | .07610 | -.23610 | .03899 | -.00090 | -.00070 | -.00050 | .77000 | .04444 |
| .200 | -2.080 | -.15120 | .04720 | .07860 | -.15280 | .04174 | -.00100 | -.00090 | -.00700 | .84100 | .04270 |
| .200 | -1.050 | -.10280 | .04320 | .08000 | -.10350 | .04134 | -.00070 | .00020 | -.01000 | .93600 | .04246 |
| .200 | -.040 | -.06440 | .03910 | .08360 | -.06400 | .03910 | .00010 | .00250 | -.01500 | 1.13200 | .04145 |
| .200 | .970 | -.01820 | .03740 | .08400 | -.01760 | .03773 | .00050 | .00420 | -.01400 | 2.47200 | .04138 |
| .200 | 2.000 | .03040 | .03730 | .08290 | .03170 | .03623 | .00050 | [illegible] | -.01100 | -.31100 | .04147 |
| .200 | 4.050 | .12670 | .03960 | .08360 | .12910 | .03555 | -.00040 | .00350 | -.01570 | .41700 | .03979 |
| .200 | 6.120 | .22930 | .04650 | .08250 | .23290 | .02182 | -.00150 | .00360 | -.01470 | .52100 | .03904 |
| .200 | 8.180 | .34040 | .05560 | .08060 | .34490 | .00659 | -.00070 | .00400 | -.01400 | .56600 | .03737 |
| .200 | 10.250 | .43470 | .07140 | .08270 | .44040 | -.00779 | -.00080 | .00510 | -.01400 | .58300 | .03669 |
| .200 | 12.310 | .53790 | .09140 | .08510 | .54500 | -.02540 | -.00100 | .00420 | -.01370 | .59400 | .03674 |
| .200 | 14.360 | .64960 | .12420 | .08380 | .66740 | -.04068 | -.00110 | .00350 | -.01310 | .60500 | .03677 |
| .200 | 16.410 | .76650 | .16950 | .08100 | .78710 | -.05396 | -.00180 | .00430 | -.00700 | .61400 | .04355 |
| .200 | 18.480 | .87760 | .23710 | .07400 | .89770 | -.06343 | -.00300 | .00710 | -.01400 | .62200 | .04710 |
| .200 | 20.550 | .98130 | .31040 | .07320 | 1.02490 | -.06343 | -.00140 | .00270 | -.00600 | .62600 | .05171 |
| .200 | 22.600 | 1.07610 | .36450 | .07730 | 1.13350 | -.07710 | -.00100 | .00170 | -.00700 | .62700 | .05432 |
| .200 | 24.660 | 1.14540 | .43520 | .08240 | 1.21970 | -.07685 | -.00160 | .00270 | -.00200 | .62700 | .06132 |
| .200 | 26.700 | 1.14290 | .49230 | .10510 | 1.24230 | -.07377 | -.00240 | .00200 | -.00100 | .62100 | .06784 |
| .200 | 28.690 | 1.04140 | .50830 | .16700 | 1.15760 | -.05407 | -.00230 | .00120 | -.00400 | .60100 | .07845 |
| .200 | 30.700 | .94190 | .52300 | .18410 | 1.07600 | -.03082 | -.00240 | .00170 | -.00700 | .58900 | .07659 |
| | GRADIENT | .04391 | -.00212 | .00139 | .04461 | -.00113 | .00014 | .00159 | -.00155 | -.05292 | -.00157 |

OA86 B48C9 M7F8 W116E26V8R5X9 (RDX267) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .050

RUN NO. 267/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.23370 | .05700 | .07560 | -.23720 | .03999 | .00020 | -.00040 | -.00900 | .76900 | .04377 |
| .200 | -2.090 | -.15020 | .04660 | .07930 | -.15180 | .04110 | .00010 | .00000 | -.01000 | .84400 | .04248 |
| .200 | -1.060 | -.10570 | .04280 | .08070 | -.10640 | .04088 | .00030 | .00050 | -.01100 | .93100 | .04259 |
| .200 | -.040 | -.06310 | .03970 | .08320 | -.06320 | .03975 | .00110 | .00280 | -.01600 | 1.13600 | .04095 |
| .200 | .980 | -.02050 | .03740 | .08450 | -.01990 | .03776 | .00160 | .00400 | -.01800 | 2.21500 | .04135 |
| .200 | 2.000 | .02690 | .03700 | .08370 | .02820 | .03606 | .00150 | .00420 | -.01800 | -.43000 | .04041 |
| .200 | 4.060 | .12430 | .03980 | .08500 | .12680 | .03095 | .00050 | .00380 | -.01600 | .40500 | .03943 |
| .200 | 6.130 | .22530 | .04680 | .08370 | .22990 | .02254 | -.00010 | .00400 | -.01500 | .51700 | .03701 |
| .200 | 8.180 | .33000 | .05520 | .08300 | .33450 | .00772 | .00020 | .00530 | -.01700 | .56000 | .03710 |
| .200 | 10.240 | .43190 | .07120 | .08360 | .43770 | -.00673 | .00040 | .00570 | -.01600 | .58100 | .03584 |
| .200 | 12.290 | .53490 | .09170 | .08630 | .54220 | -.02432 | .00000 | .00490 | -.01500 | .59300 | .03816 |
| .200 | 14.350 | .64760 | .12370 | .08600 | .65810 | -.04071 | .00000 | .00410 | -.01200 | .60400 | .03997 |
| .200 | 16.410 | .76370 | .16880 | .08320 | .78030 | -.05378 | -.00050 | .00460 | -.00800 | .61200 | .04351 |
| .200 | 18.490 | .87560 | .23560 | .07640 | .90510 | -.05422 | .00380 | .00725 | -.01450 | .62100 | .04709 |
| .200 | 20.540 | .97920 | .29970 | .07550 | 1.02210 | -.06299 | .00250 | .00280 | -.01000 | .62400 | .05157 |
| .200 | 22.610 | 1.07550 | .36400 | .07410 | 1.13280 | -.07759 | .00250 | .00260 | -.00900 | .62600 | .05465 |
| .200 | 24.660 | 1.12810 | .43500 | .08230 | 1.20680 | -.07539 | .00080 | .00250 | -.00200 | .62700 | .05782 |
| .200 | 26.690 | 1.12810 | .48830 | .10580 | 1.22720 | -.07049 | -.00090 | .00300 | -.00200 | .62000 | .06471 |
| .200 | 28.700 | 1.04450 | .51060 | .15520 | 1.16130 | -.05371 | -.00220 | .00620 | -.00500 | .61200 | .07537 |
| .200 | 30.700 | .93110 | .51940 | .18470 | 1.06580 | -.02883 | .00240 | .00280 | -.01970 | .58000 | .07588 |
| | GRADIENT | .04350 | -.00217 | .00117 | .04422 | -.00115 | .00012 | .00067 | -.00118 | -.06350 | -.00753 |

OA86 B48C9 M7F8 W116E26V8R3X9 (80x260) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| REF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0478 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPOSR = | 25.000 |
| XMFLOW = | .30 | | |

RUN NO. 268/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .250 | -4.150 | -.2346 | .0576 | .0755 | -.2384 | .0405 | -.0001 | .0016 | -.0111 | .7690 | .4259 |
| .250 | -2.080 | -.1516 | .0466 | .0796 | -.1532 | .0417 | -.0014 | -.0013 | -.0083 | .8430 | .4234 |
| .250 | -1.150 | -.1049 | .0436 | .0821 | -.1057 | .0419 | -.0027 | -.0015 | -.0122 | .9310 | .4223 |
| .250 | -.040 | -.0637 | .0392 | .0837 | -.0637 | .0391 | -.0040 | -.0016 | -.0136 | 1.1370 | .4216 |
| .250 | .980 | -.0197 | .0371 | .0845 | -.0166 | .0322 | -.0053 | -.0016 | -.0139 | 2.2810 | .4202 |
| .250 | 2.040 | .0261 | .0373 | .0843 | .0274 | .0365 | -.0067 | -.0016 | -.0142 | -.4750 | .4197 |
| .250 | 4.040 | .1215 | .0399 | .0857 | .1227 | .0335 | -.0080 | -.0015 | -.0155 | .3960 | .3944 |
| .250 | 6.120 | .2242 | .0467 | .0847 | .2278 | .0267 | -.0093 | -.0014 | -.0168 | .5150 | .3975 |
| .250 | 8.180 | .3271 | .0556 | .0831 | .3317 | .0247 | -.0093 | -.0013 | -.0156 | .5590 | .3905 |
| .250 | 10.230 | .4301 | .0670 | .0852 | .4357 | -.0074 | -.0093 | -.0014 | -.0155 | .5870 | .3893 |
| .250 | 12.300 | .5329 | .0791 | .0875 | .5392 | -.0245 | -.0094 | -.0014 | -.0147 | .6230 | .3775 |
| .250 | 14.350 | .6477 | .1243 | .0965 | .6576 | -.0395 | -.0107 | -.0013 | -.0110 | .6730 | .3759 |
| .250 | 16.400 | .7650 | .1683 | .0661 | .7771 | -.0528 | -.0120 | -.0015 | -.0085 | .6110 | .4313 |
| .250 | 18.500 | .8744 | .2304 | .0775 | .8941 | -.0636 | -.0132 | -.0015 | -.0135 | .6200 | .4482 |
| .250 | 20.540 | .9775 | .2999 | .0774 | 1.0269 | -.0621 | -.0134 | -.0013 | -.0134 | .6340 | .5229 |
| .250 | 22.600 | 1.0750 | .3650 | .0760 | 1.1327 | -.0762 | -.0132 | -.0013 | -.0136 | .6290 | .5326 |
| .250 | 24.660 | 1.1310 | .4367 | .0854 | 1.2196 | -.0756 | -.0144 | -.0013 | -.0130 | .6290 | .5739 |
| .250 | 26.650 | 1.1381 | .4917 | .1045 | 1.2377 | -.0764 | -.0133 | -.0012 | -.0120 | .6110 | .6617 |
| .250 | 28.630 | 1.0413 | .5492 | .1597 | 1.1569 | -.0526 | -.0134 | -.0011 | -.0111 | .6310 | .7584 |
| .250 | 30.710 | .9265 | .5178 | .1963 | 1.0512 | -.0342 | -.0133 | -.0009 | -.0097 | .5870 | .7484 |
| | GRADIENT | .0432 | -.0222 | .0123 | .0436 | -.0115 | .0006 | -.0005 | -.0047 | -.0054 | |

0486 B48C9 M7F8 W116E26V8R5X9 (PD#269) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.248 INCHES YMRP = .0000 INCHES
BA F = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .043 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBR* = 25.000
M2FLOW = .2

RUN NO. 269/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.2377D | .0577* | .0780D | -.2412D | .04046 | .0[illegible]75 | . 65D | -.0[illegible]2*D | .771*D | .[illegible]4234 |
| .2*D | -2.07* | -.1586D | .0467* | .0622D | -.1576* | .04111 | .0[illegible]40 | .[illegible]30 | -.0[illegible]1*D | .644*D | .[illegible]42*6 |
| .2*0 | -1.[illegible]4D | -.1068* | .0[illegible]44* | .[illegible]6240 | -.1[illegible]95* | .042*8 | .[illegible]*06D | .[illegible]2*D | -.[illegible]12*D | .329*D | .[illegible]4 48 |
| .2*0 | -.[illegible]2* | -.0[illegible]61D | .[illegible]4150 | .[illegible]*370 | -.[illegible]*61D | .04146 | .[illegible]*9 | .[illegible]22D | -.[illegible]15*D | 1.[illegible]4*D | . 3950 |
| .2*0 | 1.[illegible]*D | -.[illegible]25*D | .[illegible]369* | .[illegible]669* | -.[illegible]2510 | .03741 | .[illegible]15* | .[illegible]4*D | -. [illegible]6*D | 1.925*D | . 4 95 |
| .2*0 | 2.[illegible]5D | .[illegible]2130 | .[illegible]3740 | .[illegible]662* | .0226D | .0367D | .[illegible]*14D | .[illegible]*41D | -. [illegible]6*D | -.746D | .[illegible]3*7* |
| .2*0 | 4.06D | .1176D | .0[illegible]9*D | .0[illegible]65D | .12[illegible]3 | .03124 | . *6D | . 43 | -.[illegible]16*D | .3*7*D | .[illegible]3*41 |
| .2*0 | 6.14D | .2196D | .0[illegible]45* | .0[illegible]656 | .2232D | .[illegible]2227 | .0[illegible]*4D | . *41 | -. [illegible]14*D | .51 *D | .[illegible]364 |
| .2*0 | 8.2*0 | .3227D | .0[illegible]54D | .[illegible]*46D | .3272 | .[illegible]*914 | .[illegible]*4*D | . 51 | - [illegible]15D | .556*D | .[illegible]367 |
| .2*0 | 10.28D | .4271D | . [illegible]65*D | .[illegible]666D | .4327D | -.[illegible]*75D | .[illegible]*D | . [illegible]54 | -. [illegible]14*D | .57*D | . *6*6 |
| .2*0 | 12.32D | .5276D | .[illegible]*94D | .[illegible]*94D | .5347D | -. [illegible]247D | .[illegible]*54D | .[illegible]*54D | -.[illegible]14*D | .5[illegible]*D | .[illegible]*41 |
| .2*0 | 14.37D | .6396D | .1221D | .[illegible]*64D | .6459D | -. [illegible]4147 | . [illegible]*1 | .[illegible]*42 | -. [illegible]*D | .6 2*D | . 4 14 |
| .2*0 | 16.43 | .7551D | .1666D | .[illegible]*64D | .7715 | -. 5356 | -. [illegible]*6 | . [illegible]*1 | -. [illegible]*D | .61 *D | .[illegible]427* |
| .2*0 | 18.49D | .8672D | .2361D | .[illegible]773D | .[illegible]*93 | -.[illegible]5121 | .[illegible]*D | [illegible]*1 | - 14 | .62 *D | . 35 9 |
| .2*0 | 21.56D | .9752 | .2996D | .[illegible]773D | 1.[illegible]16D | -.[illegible]6226 | .[illegible]*11 | . [illegible]*1 | -.[illegible]*9 | 624D | . [illegible]*61 |
| .2*0 | 22.62D | 1.[illegible]*6D | .3636D | .[illegible]*11D | 1.12*2D | -.[illegible]76*3 | . [illegible]*3 | . [illegible]*7 | -. [illegible]*D | 626 | . 52 4 |
| .2*0 | 24.66D | 1.1319D | .437*D | .[illegible]*64D | 1.211*D | -.[illegible]7555 | -. [illegible]*5 | [illegible]*2 | -.[illegible]*3 | .65*D | . 5757 |
| .2*0 | 26.72D | 1.1349D | .4[illegible]*4 | .1 [illegible]*3D | 1.2342D | -.[illegible]7225 | -.[illegible]*13D | . [illegible]*4 | -. [illegible]*D | .[illegible]*D | . 6545 |
| .2*0 | 28.69D | .9[illegible]*3D | .4[illegible]*4 | .17*2 | 1.[illegible]*74 | -. [illegible]433D | . [illegible]*54 | -. [illegible]*6D | -. | .[illegible]*D | 7[illegible] |
| .2*0 | 31.73D | .9[illegible]*0D | .5223D | 1[illegible]*4 | . [illegible]6*6 | -. [illegible]*023 | .[illegible]*56D | 5 *D | -. [illegible]*D | .5[illegible]*D | 7[illegible]*D |
| | GRADIENT | .[illegible]4319 | -.[illegible]*22* | .[illegible]*1 * | . 43[illegible] | -. 117 | .[illegible]*46 | *D | - [illegible]*D | -. 656 | - 54 |

0486 B48C9 M7F8 W116E26V8R5X9 (RDX270) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5274 INCHES |
| LREF = | 19.2465 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0403 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BOFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOSR = | 25.000 |
| N2FLOW = | .000 | | |

RUN NO. 270/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.110 | -.16270 | .04690 | .04430 | -.16570 | .03511 | -.000[illegible]50 | .00[illegible]200 | -.00[illegible]800 | .751[illegible] | .04[illegible]23 |
| .2[illegible] | -2.060 | -.08[illegible]55 | .04330 | .04680 | -.08500 | .04029 | -.000[illegible]10 | .00[illegible]250 | -.00[illegible]000 | .854[illegible] | .04[illegible]50 |
| .2[illegible] | -1.050 | -.04410 | .03990 | .04990 | -.04480 | .03979 | .00[illegible]60 | .00[illegible]510 | -.00[illegible]160 | 1.05[illegible] | .04[illegible]43 |
| .2[illegible] | .000 | -.00330 | .03660 | .05170 | -.00330 | .03965 | .00[illegible]160 | .00[illegible]660 | -.00[illegible]190 | 6.2[illegible]500 | .04[illegible]58 |
| .2[illegible] | 1.[illegible] | .04240 | .04040 | .05120 | .04310 | .03966 | -.00[illegible]050 | .00[illegible]530 | -.00[illegible]140 | .214[illegible] | .04[illegible]74 |
| .2[illegible] | 2.[illegible] | .08960 | .04[illegible]50 | .05140 | .09120 | .03728 | -.00[illegible]350 | .00[illegible]560 | -.00[illegible]140 | .444[illegible] | .04[illegible]39 |
| .2[illegible] | 4.[illegible] | .18690 | .04560 | .05140 | .18960 | .03221 | -.00[illegible]420 | .00[illegible]630 | -.00[illegible]170 | .552[illegible] | .04[illegible]62 |
| .2[illegible] | 6.130 | .28760 | .05350 | .05020 | .29160 | .02247 | -.00[illegible]680 | .00[illegible]65[illegible] | -.00[illegible]150 | .58[illegible]00 | .04[illegible]52 |
| .2[illegible] | 8.210 | .39110 | .06590 | .04690 | .39640 | .00[illegible]56 | -.00[illegible]950 | .00[illegible]75[illegible] | -.00[illegible]600 | .60[illegible]00 | .03[illegible]78 |
| .2[illegible] | 10.260 | .49550 | .08160 | .04[illegible]90 | .50210 | -.00[illegible]793 | -.00[illegible]030 | .00[illegible]820 | -.00[illegible]160 | .61[illegible]50 | .04[illegible]49 |
| .2[illegible] | 12.320 | .60040 | .10490 | .04980 | .60490 | -.02565 | -.00[illegible]060 | .00[illegible]870 | -.00[illegible]150 | .622[illegible]00 | .04[illegible]65 |
| .2[illegible] | 14.360 | .71180 | .14010 | .04e60 | .7233 | -.04075 | .00[illegible]940 | .00[illegible]930 | -.00[illegible]160 | .627[illegible]50 | .04321 |
| .2[illegible] | 16.430 | .82510 | .18e60 | .04530 | .8446[illegible] | -.05311 | .00[illegible]630 | .00[illegible]790 | -.00[illegible]130 | .632[illegible]00 | .04591 |
| .2[illegible] | 18.510 | .94310 | .2585[illegible] | .03[illegible]50 | .97[illegible]40 | -.05422 | .00[illegible]41 | .00[illegible]960 | -.00[illegible]190 | .636[illegible]50 | .04[illegible]60 |
| .2[illegible] | 20.560 | 1.04550 | .3259[illegible] | .03320 | 1.0[illegible]330 | -.06211 | .00[illegible]110 | .00[illegible]410 | -.00[illegible]260 | .64[illegible]00 | .05[illegible]42 |
| .2[illegible] | 22.620 | 1.13460 | .39310 | .02[illegible]40 | 1.1[illegible]450 | -.07364 | .00[illegible]160 | .00[illegible]460 | -.00[illegible]110 | .641[illegible]50 | .05[illegible]15 |
| .2[illegible] | 24.680 | 1.18190 | .46320 | .01[illegible]60 | 1.2674[illegible] | -.07271 | .00[illegible]010 | .00[illegible]530 | -.00[illegible]070 | .637[illegible]00 | .05[illegible]45 |
| .2[illegible] | 26.710 | 1.18[illegible]40 | .51560 | .00[illegible]75 | 1.2[illegible]62[illegible] | -.07[illegible]09 | -.00[illegible]060 | .00[illegible]41[illegible] | -.00[illegible]70 | .62[illegible]50 | .05[illegible]2[illegible] |
| .2[illegible] | 28.720 | 1.11270 | .5[illegible]640 | .14610 | 1.13170 | -.04233 | .00[illegible]30 | -.00[illegible]031 | -.00[illegible]0[illegible] | .61[illegible]00 | .04[illegible]2[illegible] |
| .2[illegible] | 30.[illegible]10 | .96[illegible]40 | .54210 | .16430 | 1.10010 | -.02843 | .00[illegible]42[illegible] | .00[illegible]44 | -.00[illegible]2[illegible] | .59[illegible]00 | .03[illegible]52 |
| | GRADIENT | .04259 | -.00[illegible]24 | .00[illegible]31 | .04330 | -.00[illegible]40 | -.00[illegible]0[illegible]2 | .00[illegible]55 | -.00[illegible]3[illegible] | -.05512 | -.00[illegible]66 |

CASE B48C9 M7F6 W116C26V8R5X9 (ROX271) ( 08 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 45.5974 INCHES | | |
| LREF = | 19.248 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| DETA = | .0000 | BDFLAP = | -12.0000 |
| ELEVON = | 5.0000 | AILRON = | .0000 |
| RUDDER = | .0000 | SPOBRK = | 25.0000 |
| N2FLOW = | .2000 | | |

RUN NO. 271/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2000 | -4.1100 | -.17360 | .03110 | .04500 | -.17680 | .03651 | .00000 | .00193 | -.00809 | .74500 | .04597 |
| .2000 | -2.0900 | -.08850 | .04430 | .04700 | -.09990 | .04117 | .00020 | .00290 | -.00110 | .84400 | .04415 |
| .2000 | -1.0400 | -.04710 | .04070 | .04920 | -.04780 | .03985 | .00040 | .00390 | -.00130 | 1.03000 | .04457 |
| .2000 | .0000 | -.01250 | .04070 | .05290 | -.01750 | .04075 | .00100 | .00550 | -.00190 | 2.26000 | .04235 |
| .2000 | 1.0800 | .03545 | .04110 | .05370 | .03410 | .04153 | .00140 | .00730 | -.00140 | .07500 | .04277 |
| .2000 | 2.0900 | .08950 | .04160 | .05270 | .08100 | .03879 | -.00030 | .00990 | -.00160 | .41200 | .04202 |
| .2000 | 4.1000 | .17940 | .04490 | .05310 | .18220 | .03241 | -.00120 | .01660 | -.00160 | .54400 | .04119 |
| .2000 | 8.1400 | .37880 | .05280 | .05210 | .38270 | .02268 | -.00200 | .02660 | -.00170 | .60400 | .03961 |
| .2000 | 8.2300 | .37970 | .06410 | .05230 | .38490 | .02923 | -.00230 | .02640 | -.00170 | .60200 | .03962 |
| .2000 | 10.2800 | .48440 | .08650 | .05180 | .49100 | -.00711 | .00000 | .03740 | -.00160 | .61300 | .03924 |
| .2000 | 12.3200 | .58870 | .11340 | .05350 | .59610 | -.02474 | -.00030 | .04870 | -.00140 | .61900 | .04136 |
| .2000 | 14.3600 | .69980 | .13560 | .05310 | .71160 | -.04225 | .00020 | .06400 | -.00150 | .62400 | .04151 |
| .2000 | 16.4300 | .81450 | .16790 | .04860 | .83430 | -.05962 | .00100 | .08000 | -.00130 | .63000 | .04444 |
| .2000 | 18.5000 | .92860 | .20460 | .03350 | .96190 | -.05329 | .00040 | .09600 | -.00140 | .61700 | .04759 |
| .2000 | 20.5700 | 1.03660 | .23230 | .03790 | 1.04430 | -.06165 | .00120 | .11000 | -.00170 | .63900 | .05046 |
| .2000 | 22.6200 | 1.12810 | .29150 | .03960 | 1.13170 | -.06374 | .00180 | .12000 | -.00190 | .65300 | .05065 |
| .2000 | 24.6600 | 1.16770 | .45960 | .02510 | 1.25250 | -.07731 | -.00250 | .13000 | -.00250 | .66400 | .05183 |
| .2000 | 26.7100 | 1.16050 | .57090 | .01420 | 1.26550 | -.08624 | -.00320 | .14000 | -.00310 | .67000 | .05202 |
| .2000 | 28.6900 | 1.14810 | .69450 | .01460 | 1.28660 | -.08157 | -.00350 | .14700 | -.00340 | .67400 | .05284 |
| .2000 | 30.6500 | .95500 | .83520 | .01610 | 1.11650 | -.07562 | .00431 | .14300 | -.00310 | .67700 | .05313 |
| | GRADIENT | .04254 | -.00469 | .00122 | .04327 | -.00127 | -.00046 | .00268 | -.00134 | -.00040 | -.00001 |

0A66 B48C9 M7F8 W116E28V8R5X9 (RDx272) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0455 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BOFLAP = | -12.000 |
| ELEVON = | 5.000 | AILRON = | .000 |
| RUDDER = | .000 | SPOBR = | 25.000 |
| N2FLOW = | .100 | | |

RUN NO. 272/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.16980 | .05070 | .04325 | -.17295 | .03839 | -.009030 | .00130 | -.009000 | .74420 | .04606 |
| .200 | -2.070 | -.08720 | .04410 | .04570 | -.08875 | .04101 | .004000 | .00250 | -.010700 | .84100 | .04494 |
| .200 | -1.040 | -.04410 | .04160 | .04690 | -.04490 | .04088 | .004030 | .00410 | -.011500 | 1.03600 | .04379 |
| .200 | -.010 | -.01160 | .03930 | .04520 | -.01170 | .03938 | .009340 | .00660 | -.011900 | 2.29700 | .04464 |
| .200 | .990 | .03640 | .04010 | .04250 | .03710 | .03955 | -.009160 | .00520 | -.011400 | .13100 | .04 |
| .200 | 2.030 | .08430 | .04120 | .05230 | .08577 | .03819 | -.009160 | .00540 | -.011500 | .42700 | .04 |
| .200 | 4.090 | .16210 | .04540 | .06260 | .16480 | .03192 | -.006480 | .00630 | -.011 0 | .54700 | .04139 |
| .200 | 6.130 | .24220 | .05320 | .06250 | .24630 | .02271 | -.009 90 | .00660 | -.011400 | .58400 | .03942 |
| .200 | 8.200 | .32480 | .06360 | .06590 | .32990 | .01607 | -.009050 | .00 04 | -.011700 | .60400 | .03963 |
| .200 | 10.250 | .40850 | .07 20 | .06130 | .41520 | -.00791 | -.009 50 | .00660 | -.011 0 | .61400 | .03966 |
| .200 | 12.320 | .49360 | .08400 | .05330 | .50210 | -.02513 | -.008 40 | .00750 | -.011700 | .61900 | .04046 |
| .200 | 14.380 | .57980 | .09490 | .04510 | .58540 | -.03953 | .00201 | .00660 | -.011 0 | .62500 | .04103 |
| .200 | 16.430 | .66790 | .10610 | .03660 | .67770 | -.05198 | .00490 | .00660 | -.011200 | .63 00 | .0445 |
| .200 | 18.510 | .75660 | .11900 | .02 60 | .76860 | -.06536 | .00360 | .00 10 | -.010 00 | .636 0 | .04504 |
| .200 | 20.560 | 1.03640 | .13540 | .00360 | 1.04350 | -.06117 | .00490 | .00 47 | -.010 0 | .63900 | .05264 |
| .200 | 22.620 | 1.12420 | .15910 | .00040 | 1.13260 | -.07346 | .00410 | .00 40 | -.010 0 | .63 00 | .05575 |
| .200 | 24.680 | 1.17470 | .16230 | .00170 | 1.18260 | -.07846 | -.00 30 | .00590 | -.010 0 | .63500 | .06153 |
| .200 | 26.700 | 1.15830 | .15080 | .00490 | 1.16350 | -.06671 | -.00 10 | .00420 | -.010 0 | .62700 | .05979 |
| .200 | 28.62 | 1.08430 | .13360 | .01480 | 1.10260 | -.04442 | .00 410 | -.00 70 | -.010 0 | .60 00 | .04982 |
| .200 | 30.72 | .95210 | .11720 | .01620 | 1.00290 | -.02460 | .00 470 | .00 25 | -.010 0 | .57600 | .03940 |
| | GRADIENT | .04254 | -.00 70 | .00131 | .04527 | -.00 77 | -.00 10 | .00 63 | -.00 06 | -.05012 | -.00149 |

DATE 11 APR 74 0486 NAAL 716

0486 B48C9 M7F8 W116E26V8R3Y9 (RDX2731 ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 45.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .00 | BDFLAP = | -12.000 |
| ELEVON = | 5.00 | AILRON = | .000 |
| RUDDER = | .00 | SPDBRK = | 25.000 |
| N2FLOW = | .050 | | |

RUN NO. 273/ 0 RN/L = 1.42 GRADIENT INTERVAL = 6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2*0 | -4.11D | -.17*50 | .0513D | .0434D | -.17360 | .03898 | .00010 | .00180 | -.04900 | .74400 | .04595 |
| .2*0 | -2.08D | -.08460 | .0458D | .0460D | -.08650 | .04073 | .00020 | .00260 | -.01000 | .64800 | .04562 |
| .2** | -1.*5D | -.04060 | .0418D | .0473D | -.04130 | .04146 | .00030 | .00350 | -.00120 | 1.07300 | .04483 |
| .2*0 | -.01D | -.00*30 | .0405D | .0517D | -.00030 | .04252 | .00040 | .00540 | -.00150 | 2.25600 | .04376 |
| .2*0 | .99D | .03950 | .0391D | .0525D | .04040 | .03847 | .00020 | .00610 | -.00170 | .16300 | .04413 |
| .2** | 2.1*D | .08540 | .0413D | .0525D | .08600 | .03826 | .00000 | .00580 | -.00160 | .44900 | .04238 |
| .2*0 | 4.*0D | .16490 | .0448D | .0523D | .16760 | .03158 | .00000 | .00660 | -.00180 | .54400 | .04254 |
| .2** | 6.14D | .24440 | .0520D | .0516D | .24850 | .02258 | .00000 | .00710 | -.00190 | .59600 | .03965 |
| .2** | 8.20D | .32690 | .0635D | .0505D | .33190 | .01741 | .00000 | .00740 | -.00190 | .62400 | .03977 |
| .2*0 | 10.26D | .40970 | .0811D | .0550D | .41030 | -.00745 | .00000 | .00774 | -.00170 | .62700 | .04032 |
| .2** | 12.32D | .59510 | .1047D | .0525D | .60370 | -.01247 | .00000 | .00810 | -.00190 | .62600 | .04177 |
| .2** | 14.38D | .78650 | .1397D | .0516D | .79910 | -.04012 | .00000 | .00850 | -.00190 | .63500 | .04477 |
| .2** | 16.44D | .98210 | .1868D | .0479D | .98410 | -.05140 | .00000 | .00890 | -.00190 | .63700 | .04963 |
| .2** | 18.52D | .98365 | .2569D | .0566D | .96300 | -.05391 | .00000 | .00930 | -.00190 | .64000 | .05293 |
| .2*0 | 20.57D | 1.03660 | .3256D | .0357D | 1.04150 | -.07910 | .00000 | .00970 | -.00190 | .65000 | .05637 |
| .2** | 22.62D | 1.12980 | .3917D | .0395D | 1.13490 | -.07316 | .00000 | .01010 | -.00180 | .65700 | .06*30 |
| .2*0 | 24.69D | 1.16890 | .4626D | .0516D | 1.25520 | -.06*9 | .00000 | .01040 | -.00170 | .62000 | .07128 |
| .2** | 26.73D | 1.15910 | .5*47D | .0405D | 1.26 50 | -.06567 | -.00000 | .01080 | -.00150 | .62000 | .07*00 |
| .2** | 28.69D | 1.10112 | .5*89D | .1441D | 1.17140 | -.03995 | -.00230 | .00750 | -.00*5 | .6*00 | .07762 |
| .2** | 30.72D | .94450 | .5366D | .2*40D | 1.0*094 | -.02521 | .00420 | .00440 | -.00*5 | .5170 | .07*46 |
| | GRADIENT | .0428D | -.0*070 | .0125 | .04361 | -.0**06 | -.00003 | .00064 | .00104 | -.00*00 | -.00146 |

OA86 B48C9 K7F8 W116E26V8R5X9 (RDx274) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5 74 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .020

RUN NO. 274/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.15720 | .05040 | .04300 | -.16040 | .03908 | .00040 | .00110 | -.00500 | .75000 | .04700 |
| .200 | -2.060 | -.07060 | .04380 | .04530 | -.07210 | .04128 | .00070 | .00180 | -.00700 | .88300 | .04513 |
| .200 | -1.010 | -.02850 | .04080 | .04690 | -.02920 | .04033 | .00130 | .00380 | -.01200 | 1.24300 | .04578 |
| .200 | .010 | .00480 | .04010 | .05190 | .00490 | .04016 | .00070 | .00500 | -.01300 | -3.24900 | .04461 |
| .200 | 1.010 | .05280 | .04040 | .05190 | .05350 | .03955 | .00030 | .00490 | -.01300 | .29500 | .04407 |
| .200 | 2.040 | .09840 | .04060 | .05220 | .09970 | .03706 | .00020 | .00520 | -.01400 | .45900 | .04352 |
| .200 | 4.090 | .19790 | .04500 | .05180 | .20060 | .03080 | .00070 | .00580 | -.01600 | .55700 | .04214 |
| .200 | 6.150 | .29590 | .05330 | .05180 | .30000 | .02124 | .00080 | .00630 | -.01600 | .58800 | .04047 |
| .200 | 8.210 | .39990 | .06370 | .05010 | .40490 | .00600 | .00090 | .00720 | -.01500 | .60600 | .04007 |
| .200 | 10.270 | .50490 | .08070 | .05090 | .51120 | -.01063 | .00110 | .00800 | -.01700 | .61500 | .03956 |
| .200 | 12.330 | .60770 | .10460 | .05330 | .61510 | -.02769 | .00060 | .00620 | -.01300 | .62000 | .04056 |
| .200 | 14.390 | .72000 | .14030 | .05140 | .73230 | -.04302 | .00080 | .00540 | -.01400 | .62600 | .04227 |
| .200 | 16.450 | .83250 | .18920 | .0485[illegible] | .85200 | -.05437 | .00120 | .00730 | -.01100 | .63100 | .04493 |
| .200 | 18.520 | .95230 | .25860 | .03[illegible]0 | .98520 | -.05738 | .00590 | .00890 | -.01700 | .63700 | .04941 |
| .200 | 20.580 | 1.05660 | .32760 | .03730 | 1.10430 | -.06488 | .00280 | .00240 | -.00900 | .63900 | .05404 |
| .200 | 22.640 | 1.14240 | .39370 | .04190 | 1.20590 | -.07646 | .00340 | .00420 | -.01000 | .63900 | .05676 |
| .200 | 24.680 | 1.18600 | .46240 | .05330 | 1.27070 | -.07519 | .00090 | .00470 | -.00600 | .63600 | .06095 |
| .200 | 26.730 | 1.17690 | .51260 | .08600 | 1.28180 | -.07153 | .00050 | .00320 | -.00600 | .62700 | .07212 |
| .200 | 28.710 | 1.02320 | .50740 | .15010 | 1.14120 | -.04662 | .00220 | -.00170 | -.00900 | .60300 | .08109 |
| .200 | 30.740 | .97080 | .53980 | .16690 | 1.11030 | -.03227 | .00480 | .00330 | -.01900 | .59600 | .08067 |
| | GRADIENT | .04280 | -.00066 | .00126 | .04351 | -.00098 | -.00002 | .00062 | -.00137 | -.06063 | -.00057 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX275) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000
N2FLOW = .000

RUN NO. 275/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.15920 | .05030 | .04400 | -.16240 | .03879 | .00050 | .00130 | -.00700 | .75100 | .0483[illegible] |
| .200 | -2.060 | -.07280 | .04380 | .04570 | -.07440 | .04120 | .00080 | .00280 | -.01000 | .87800 | .04620 |
| .200 | -1.020 | -.02820 | .04240 | .04770 | -.02900 | .04195 | .00070 | .00310 | -.01000 | 1.25800 | .04605 |
| .200 | .000 | .00380 | .04000 | .05280 | .00380 | .04006 | .00080 | .00560 | -.01500 | 4.39500 | .04536 |
| .200 | 1.000 | .05120 | .04010 | .05370 | .05190 | .03920 | .00020 | .00530 | -.01400 | .27100 | .04519 |
| .200 | 2.040 | .09770 | .04170 | .05300 | .09920 | .03822 | -.00010 | .00530 | -.01900 | .45500 | .04358 |
| .200 | 4.080 | .19710 | .04520 | .05380 | .19980 | .03113 | .00050 | .00640 | -.01700 | .55300 | .04405 |
| .200 | 6.160 | .29550 | .05290 | .5340 | .29950 | .02092 | .00040 | .00700 | -.01600 | .58600 | .04062 |
| .200 | 8.210 | .40080 | .06410 | .05160 | .40590 | .00619 | .00090 | .00790 | -.01800 | .60500 | .04018 |
| .200 | 10.270 | .50360 | .08160 | .05200 | .51010 | -.00957 | .00070 | .00790 | -.01500 | .61400 | .03968 |
| .200 | 12.300 | .60820 | .10520 | .05450 | .61660 | -.02679 | .00060 | .00670 | -.01600 | .61900 | .04132 |
| .200 | 14.390 | .72520 | .14090 | .05170 | .73740 | -.04378 | .00120 | .00610 | -.01600 | .62600 | .04376 |
| .200 | 16.450 | .83500 | .18970 | .04910 | .85460 | -.05455 | .00110 | .00740 | -.01200 | .63100 | .04580 |
| .200 | 18.520 | .95150 | .25850 | .04060 | .98440 | -.05716 | .00500 | .00960 | -.01800 | .63600 | .04957 |
| .200 | 20.580 | 1.05650 | .32810 | .03840 | 1.10450 | -.06440 | .00230 | .00400 | -.01000 | .63900 | .05384 |
| .200 | 22.640 | 1.14540 | .39260 | .04380 | 1.20830 | -.07851 | .00340 | .00450 | -.01100 | .63800 | .05750 |
| .200 | 24.690 | 1.18750 | .46300 | .05620 | 1.27230 | -.07556 | .00120 | .00540 | -.00860 | .63500 | .06311 |
| .200 | 26.720 | 1.17320 | .50840 | .08940 | 1.27650 | -.07350 | .00030 | .00280 | -.00600 | .62600 | .07283 |
| .200 | 28.700 | 1.01540 | .50520 | .15240 | 1.13330 | -.04451 | -.00170 | -.00840 | -.00200 | .60200 | .07912 |
| .200 | 30.730 | .97360 | .54160 | .17210 | 1.11360 | -.03209 | .00530 | .00370 | -.02300 | .59500 | .08116 |
| | GRADIENT | .04298 | -.00063 | .00139 | .04371 | -.00092 | -.00005 | .00064 | -.00116 | -.06190 | -.00054 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX276) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000
N2FLOW = .200

RUN NO. 276/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.17060 | .05120 | .04640 | -.17380 | .03886 | .00070 | .00170 | -.00700 | .75000 | .04569 |
| .200 | -2.050 | -.08080 | .04480 | .04780 | -.08230 | .04194 | .00100 | .00240 | -.00900 | .86500 | .04394 |
| .200 | -1.030 | -.03900 | .04210 | .04940 | -.03980 | .04141 | .00120 | .00370 | -.01100 | 1.10900 | .04459 |
| .200 | .000 | -.00250 | .04080 | .05280 | -.00250 | .04084 | .00140 | .00630 | -.01600 | 8.27400 | .04353 |
| .200 | 1.000 | .04390 | .04160 | .05310 | .04460 | .04092 | .00060 | .00550 | -.01400 | .21400 | .04188 |
| .200 | 2.040 | .09080 | .04070 | .05420 | .09220 | .03746 | .00070 | .00630 | -.01600 | .43500 | .04274 |
| .200 | 4.090 | .18870 | .04520 | .05430 | .19140 | .03169 | .00040 | .00640 | -.01600 | .54700 | .04160 |
| .200 | 6.160 | .28780 | .05290 | .05450 | .29180 | .02171 | .00030 | .00630 | -.01500 | .58300 | .03982 |
| .200 | 8.200 | .38750 | .06360 | .05380 | .39260 | .00765 | .00040 | .00710 | -.01500 | .60100 | .03881 |
| .200 | 10.270 | .49430 | .08040 | .05370 | .50070 | -.00900 | .00060 | .00800 | -.01500 | .61200 | .03929 |
| .200 | 12.330 | .59870 | .10360 | .05600 | .60710 | -.02658 | .00070 | .00700 | -.01500 | .61800 | .04016 |
| .200 | 14.390 | .71190 | .13910 | .05480 | .72410 | -.04227 | .00130 | .00590 | -.01300 | .62400 | .04160 |
| .200 | 16.430 | .82280 | 18650 | .05200 | .84200 | -.05395 | .00140 | .00790 | -.01100 | .62900 | .04422 |
| .200 | 18.510 | .94180 | .25460 | .04490 | .97390 | -.05748 | .00570 | .00970 | -.01700 | .63500 | .04795 |
| .200 | 20.580 | 1.04760 | .32320 | .04160 | 1.09440 | -.06578 | .00310 | .00360 | -.00900 | .63800 | .05238 |
| .200 | 22.640 | 1.13870 | .39140 | .04620 | 1.20160 | -.07717 | .00340 | .00470 | -.01000 | .63700 | .05529 |
| .200 | 24.680 | 1.18160 | .46170 | .05720 | 1.26640 | -.07462 | .00070 | .00460 | -.00600 | .63500 | .05931 |
| .200 | 26.710 | 1.16240 | .50810 | .09000 | 1.26670 | -.06873 | .00050 | .00340 | -.00700 | .62500 | .06924 |
| .200 | 28.690 | 1.01670 | .50610 | .15130 | 1.13490 | -.04421 | .00210 | -.00610 | -.00500 | .60300 | .08118 |
| .200 | 30.730 | .96880 | .54050 | .16970 | 1.10900 | -.03057 | .00520 | .00290 | -.02100 | .59500 | .08004 |
| | GRADIENT | .04332 | -.00076 | .00112 | .04404 | -.00089 | -.00006 | .00066 | -.00123 | -.05801 | -.00050 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX277) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. MRP = 43.5974 INCHES
LREF = 19.2460 INCHES ARP .0000 INCHES
BREF = .9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .100

RUN NO. 277/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| M | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.16340 | .05090 | .04400 | -.16660 | .03905 | .00020 | .00110 | -.00700 | .74900 | .04579 |
| .200 | -2.050 | -.07750 | .04450 | .04620 | -.07900 | .04179 | .00080 | .00280 | -.01100 | .86700 | .04443 |
| .200 | -1.020 | -.03230 | .04190 | .04760 | -.03310 | .04133 | .00080 | .00340 | -.01100 | 1.18100 | .04402 |
| .200 | .000 | .00070 | .04100 | .05260 | .00070 | .04105 | .00050 | .00560 | -.01500 | -23.90000 | .04345 |
| .200 | 1.000 | .04870 | .04060 | .05230 | .04940 | .03983 | .00000 | .00540 | -.01400 | .26200 | .04289 |
| .200 | 2.030 | .09510 | .04160 | .05290 | .09650 | .03826 | .00000 | .00560 | -.01400 | .45000 | .04294 |
| 200 | 4.090 | .19110 | .04570 | .05350 | .19390 | .03195 | .00030 | .00630 | -.01600 | .55000 | .04093 |
| .200 | 6.150 | .29060 | .05330 | .05300 | .29460 | .02194 | .00010 | .00710 | -.01700 | .58500 | .03955 |
| .200 | 8.210 | .39370 | .06430 | .05230 | .39880 | .00746 | .00010 | .00780 | -.01700 | .60300 | .03847 |
| .200 | 10.270 | .49790 | .08050 | .05370 | .50430 | -.00959 | .00030 | .00790 | -.01600 | .61200 | .03957 |
| .200 | 12.330 | .60270 | .10490 | .05580 | .61120 | -.02625 | .00020 | .00690 | -.01500 | .61800 | .03974 |
| .200 | 14.380 | .71810 | .14000 | .05440 | .73040 | -.04270 | .00080 | .00570 | -.01300 | .62400 | .04195 |
| .200 | 16.440 | .82750 | .18880 | 05150 | .84710 | -.05304 | .00100 | .00780 | -.01100 | .62900 | .04432 |
| .200 | 18.520 | .94760 | .25750 | .04410 | .98040 | -.05689 | .00550 | .01010 | -.01800 | .63500 | .04617 |
| .200 | 20.570 | 1.05060 | .32610 | .04180 | 1.09820 | -.06391 | .00270 | .00380 | -.00900 | .63800 | .05276 |
| .200 | 22.640 | 1.13820 | .39090 | .04600 | 1.20100 | -.07733 | .00330 | .00490 | -.01100 | .63800 | .05553 |
| .200 | 24.690 | 1.18200 | .46150 | .05940 | 1.26670 | -.07445 | .00080 | .00500 | -.00500 | .63400 | .06116 |
| .200 | 26.710 | 1.16610 | .50770 | .09220 | 1.26990 | -.07059 | .00090 | .00580 | -.01000 | .62500 | .07166 |
| .200 | 28.700 | 1.01920 | .50680 | .15250 | 1.13740 | -.04495 | .00220 | .00140 | -.01100 | .60200 | .07876 |
| .200 | 30.730 | .96710 | .53880 | .16930 | 1.10670 | -.03120 | .00550 | .00480 | -.02700 | .59500 | .08076 |
| | GRADIENT | .04291 | -.00065 | .00130 | .04364 | -.00086 | -.00005 | .00066 | -.00105 | -.06378 | -.00055 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX278) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .050

RUN NO. 278/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.16180 | .05080 | .04420 | -.16500 | .03916 | .00110 | .00140 | -.00700 | .75000 | .04626 |
| .200 | -2.060 | -.07370 | .04430 | .04570 | -.07530 | .04167 | .00140 | .00270 | - 01000 | .87500 | .04446 |
| .200 | -1.020 | -.03040 | .04170 | .04760 | -.03110 | .04117 | .00150 | .00370 | -.01100 | 1.21400 | .04503 |
| .200 | .000 | .00170 | .04000 | .05260 | .00170 | .04006 | .00090 | .00530 | -.01400 | -10.64700 | .04402 |
| .200 | 1.000 | .04860 | .03990 | .05280 | .04930 | .03913 | .00080 | .00540 | -.01400 | .25800 | .04379 |
| .200 | 2.040 | .09680 | .04180 | .05300 | .09820 | .03833 | .00080 | .00580 | -.01600 | .45300 | .04247 |
| .200 | 4.100 | .19540 | .04500 | .05290 | .19820 | .03094 | .00130 | .00680 | -.01600 | .55300 | .04196 |
| .200 | 6.160 | .29430 | .05330 | .05250 | .29830 | .02149 | .00100 | .00700 | -.01600 | .58700 | .03939 |
| .200 | 8.210 | .39730 | .06440 | .05160 | .40240 | .00705 | .00170 | .00800 | -.01800 | .60400 | .03939 |
| .200 | 10.280 | .49940 | .08140 | .05280 | .50590 | -.00901 | .00120 | .00800 | -.01600 | .61300 | .03877 |
| .200 | 12.350 | .60560 | .10530 | .05460 | .61410 | -.02646 | .00130 | .00710 | -.01600 | .61900 | .04003 |
| .200 | 14.390 | .71750 | .14070 | .05290 | .72990 | -.04203 | .00170 | .00590 | -.01500 | .62500 | .04171 |
| .200 | 16.450 | .83220 | .18960 | .05050 | .85180 | -.05381 | .00160 | .00770 | -.01100 | .63000 | .04496 |
| .200 | 18.530 | .94640 | .25770 | .04200 | .97920 | -.05643 | .00590 | .00950 | -.01800 | .63600 | .04870 |
| .200 | 20.580 | 1.04970 | .32710 | .04040 | 1.09770 | -.06290 | .00330 | .00350 | -.00900 | .63800 | .05350 |
| .200 | 22.620 | 1.13920 | .39300 | .04400 | 1.20270 | -.07548 | .00390 | .00440 | -.01200 | .63800 | .05584 |
| .200 | 24.690 | 1.18780 | .46510 | .05750 | 1.27340 | -.07367 | .00110 | .00410 | -.00600 | .63500 | .06340 |
| .200 | 26.710 | 1.16260 | .50750 | .09160 | 1.26670 | -.06920 | .00070 | .00300 | -.00500 | .62500 | .07283 |
| .200 | 28.700 | 1.01780 | .50760 | .15200 | 1.13650 | -.04354 | .00240 | -.00540 | -.00900 | .60200 | .08135 |
| .200 | 30.730 | .96320 | .53950 | .16750 | 1.10360 | -.02844 | .00630 | .00280 | -.02100 | .59600 | .07832 |
| | GRADIENT | .04298 | -.00070 | .00127 | .04371 | -.00097 | -.00003 | .00069 | -.00137 | -.06136 | -.00052 |

OA86 B48C9 M7F8 W116E26V8R5X9+RK (RDX279) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000
N2FLOW = .020

RUN NO. 279/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.0

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.16020 | .05110 | .04440 | -.16340 | .03946 | -.00050 | .00050 | -.00400 | .75200 | .04655 |
| .200 | -2.040 | -.07230 | .04380 | .04650 | -.07380 | .04126 | .00000 | .00190 | -.00800 | .88300 | .04640 |
| .200 | -1.020 | -.02620 | .04150 | .04710 | -.02690 | .04106 | .00020 | .00330 | -.01100 | 1.29400 | .04509 |
| .200 | -.010 | .00460 | .04050 | .05330 | .00460 | .04052 | .00000 | .00460 | -.01300 | -3.61200 | .04477 |
| .200 | 1.010 | .05170 | .04140 | .05220 | .05240 | .04055 | -.00050 | .00450 | -.01200 | .28500 | .04324 |
| .200 | 2.040 | .09860 | .04170 | .05300 | .10000 | .03817 | -.00040 | .00510 | -.01300 | .45700 | .04366 |
| .200 | 4.090 | .19750 | .04550 | .05310 | .20020 | .03129 | .00000 | .00610 | -.01600 | .55400 | .04204 |
| .200 | 6.160 | .29860 | .05360 | .05240 | .30260 | .02129 | .00000 | .00660 | -.01600 | .58800 | .04043 |
| .200 | 8.210 | .40050 | .06450 | .05200 | .40560 | .00665 | .00010 | .00730 | -.01600 | .60400 | .03934 |
| .200 | 10.270 | .50400 | .08140 | .05240 | .51040 | -.00976 | .00010 | .00760 | -.01500 | .61400 | .03991 |
| .200 | 12.330 | .60790 | .10630 | .05310 | .61660 | -.02599 | -.00020 | .00590 | -.01200 | .62000 | .03996 |
| .200 | 14.400 | .72620 | .14240 | .05240 | .73880 | -.04272 | .00060 | .00530 | -.01400 | .62600 | .04233 |
| .200 | 16.450 | .83540 | .19050 | .05090 | .85510 | -.05396 | .00050 | .00700 | -.00900 | .63000 | .04507 |
| .200 | 18.520 | .95530 | .26190 | .04130 | .98870 | -.05606 | .00400 | .00370 | -.01800 | .63600 | .04695 |
| .200 | 20.580 | 1.05250 | .32810 | .03920 | 1.10060 | -.06293 | .00240 | .00280 | -.00900 | .63900 | .05319 |
| .200 | 22.640 | 1.14130 | .39490 | .04550 | 1.20540 | -.07493 | .00280 | .00330 | -.00800 | .63800 | .05511 |
| .200 | 24.690 | 1.18640 | .46610 | .05710 | 1.27270 | -.07227 | .00030 | .00420 | -.00500 | .63500 | .06222 |
| .200 | 26.700 | 1.15210 | .50500 | .09510 | 1.25620 | -.06652 | .00010 | .00400 | -.00500 | .62410 | .07103 |
| .200 | 28.700 | 1.00270 | .50240 | .15500 | 1.12080 | -.04086 | .00180 | -.00680 | -.00700 | .60100 | .08095 |
| .200 | 30.730 | .96520 | .53830 | .17110 | 1.10470 | -.03066 | .00480 | .00250 | -.01900 | .59500 | .08005 |
| | GRADIENT | .04301 | -.00062 | .00123 | .04372 | -.00091 | .00001 | .00070 | -.00137 | -.06108 | -.00059 |

OA86 B49C9 W116E26V8R3X9 (RDX280) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 280/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.20040 | .04790 | .03500 | -.20330 | .03344 | .00110 | .00660 | -.02000 | .71500 | .00000 |
| .200 | -2.070 | -.11320 | .03980 | .03840 | -.11450 | .03575 | .00200 | .00830 | -.02600 | .77500 | .00000 |
| .200 | -1.040 | -.06630 | .03750 | .03980 | -.06690 | .03634 | .00240 | .00900 | -.02800 | .87100 | .00000 |
| .200 | .000 | -.01720 | .03530 | .04160 | -.01720 | .03533 | .00240 | .00930 | -.02700 | 1.54200 | .00000 |
| .200 | 1.020 | .02920 | .03370 | .04200 | .02980 | .03321 | .00270 | .00960 | -.02700 | .13300 | .00000 |
| .200 | 2.030 | .07490 | .03310 | .04580 | .07600 | .03044 | .00260 | .00930 | -.02600 | .43000 | .00000 |
| .200 | 4.090 | .17390 | .03510 | .04820 | .17590 | .02262 | .00260 | .00890 | -.02400 | .55100 | .00000 |
| .200 | 6.140 | .27040 | .04160 | .04880 | .27330 | .01246 | .00330 | .00930 | -.02400 | .58600 | .00000 |
| .200 | 8.210 | .37250 | .05200 | .05080 | .37610 | -.00167 | .00350 | .00930 | -.02500 | .60200 | .00000 |
| .200 | 10.270 | .47600 | .06730 | .05230 | .48040 | -.01852 | .00270 | .00850 | -.02000 | .61200 | .00000 |
| .200 | 12.330 | .57900 | .08960 | .05320 | .58470 | -.03611 | .00250 | .00770 | -.01900 | .61800 | .00000 |
| .200 | 14.390 | .69750 | .12610 | .04870 | .70700 | -.05117 | .00230 | .00690 | -.01600 | .62600 | .00000 |
| .200 | 16.450 | .81360 | .17480 | .04360 | .82980 | -.06284 | .00250 | .00850 | -.01500 | .63200 | .00000 |
| .200 | 18.520 | .92930 | .24700 | .02730 | .95960 | -.06095 | .00700 | .01120 | -.02200 | .64100 | .00000 |
| .200 | 20.580 | 1.03050 | .31480 | .02400 | 1.07550 | -.06750 | .00540 | .00700 | -.01600 | .64300 | .00000 |
| .200 | 22.630 | 1.12200 | .38140 | .02360 | 1.18240 | -.07979 | .00530 | .00720 | -.01700 | .64400 | .00000 |
| .200 | 24.690 | 1.18120 | .46020 | .02430 | 1.26550 | -.07543 | .00270 | .00780 | -.01100 | .64500 | .00000 |
| .200 | 26.730 | 1.18330 | .52320 | .04270 | 1.29220 | -.06496 | .00130 | .00640 | -.00800 | .63900 | .00000 |
| .200 | 28.720 | 1.09490 | .55910 | .08290 | 1.22890 | -.03592 | -.00070 | .00560 | -.01000 | .62700 | .00000 |
| .200 | 30.760 | 1.03310 | .60760 | .09160 | 1.19850 | -.00631 | .00360 | .00370 | -.01300 | .62400 | .00000 |
| | GRADIENT | .04573 | -.00159 | .00162 | .04632 | -.00132 | .00017 | .00027 | -.00035 | -.04823 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX281) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 281/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | -.00440 | .03240 | .03010 | -.00440 | .03240 | -.00990 | .01000 | .16700 | 3.15900 | .00000 |
| .200 | -5.000 | -.01860 | .03380 | .03410 | -.01860 | .03383 | -.00560 | .00890 | .07800 | 1.36700 | .00000 |
| .200 | .000 | -.01680 | .03370 | .04170 | -.01690 | .03379 | .00200 | .00780 | -.02000 | 1.55900 | .00000 |
| .200 | 5.010 | -.00752 | .03340 | .03859 | -.00750 | .03347 | .00780 | -.00012 | -.11200 | 2.53500 | .00000 |
| .200 | 10.030 | -.01470 | .02680 | .03867 | -.01470 | .02689 | .01300 | -.00150 | -.13200 | 4.14200 | .00000 |
| | GRADIENT | .00111 | -.00004 | .00044 | .00111 | -.00004 | .00134 | -.00011 | -.00170 | .07760 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX282) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 282/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .22520 | .03340 | .04040 | .22730 | .01320 | -.01170 | .01490 | .17600 | .58600 | .00000 |
| .200 | -5.010 | .22540 | .03680 | .04460 | .22780 | .01658 | -.00590 | .01420 | .08000 | .58000 | .00000 |
| .200 | -.010 | .22740 | .03630 | .04970 | .22970 | .01589 | .00300 | .00860 | -.02000 | .57200 | .00000 |
| .200 | 5.010 | .22760 | .03260 | .05220 | .22960 | .01214 | .00870 | -.00050 | -.10700 | .56800 | .00000 |
| .200 | 10.020 | .23160 | .02720 | .04810 | .23310 | .00652 | .01640 | -.00760 | -.20000 | .57600 | .00000 |
| | GRADIENT | .00022 | -.00042 | .00076 | .00018 | -.00044 | .00146 | -.00147 | -.01866 | -.00120 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX283) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 283/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .48060 | .06470 | .03960 | .48450 | -.02187 | -.01560 | .02070 | .18100 | .62200 | .00000 |
| .200 | -4.990 | .48090 | .06720 | .04520 | .48520 | -.01967 | -.00820 | .01760 | .08300 | .61700 | .00000 |
| .200 | .000 | .47760 | .06450 | .05390 | .48150 | -.02167 | .00260 | .00730 | -.01400 | .61000 | .00000 |
| .200 | 5.010 | .47860 | .05730 | .05590 | .48120 | -.02891 | .00980 | -.00480 | -.10300 | .60900 | .00000 |
| .200 | 10.050 | .48240 | .05380 | .05060 | .48420 | -.03304 | .01950 | -.01370 | -.19900 | .61300 | .00000 |
| | GRADIENT | -.00023 | -.00099 | .00107 | -.00040 | -.00092 | .00180 | -.00224 | -.01860 | -.00080 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX284) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 284/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .74980 | .15050 | .05130 | .76280 | -.05437 | -.01290 | .02790 | .17800 | .63700 | .00000 |
| .200 | -5.030 | .74830 | .14890 | .04040 | .76100 | -.05537 | -.00950 | .02060 | .08800 | .63200 | .00000 |
| .200 | -.010 | .75620 | .14740 | .04810 | .76820 | -.05905 | -.00100 | .00610 | -.00400 | .62900 | .00000 |
| .200 | 5.000 | .75645 | .14150 | .04750 | .76680 | -.06475 | .00900 | -.00900 | -.09600 | .62900 | .00000 |
| .200 | 10.030 | .74880 | .13830 | .04240 | .75860 | -.06581 | .01740 | -.02430 | -.18600 | .63100 | .00000 |
| | GRADIENT | .00081 | -.00074 | .00071 | .00058 | -.00094 | .00184 | -.00295 | -.01834 | -.00030 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX285) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 RUDDER = -7.960
SPDBRK = .000

RUN NO. 285/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.120 | -.19610 | .04770 | .03670 | -.19900 | .03353 | .01730 | -.00090 | -.05400 | .72000 | .00000 |
| .200 | -2.070 | -.10630 | .03980 | .03800 | -.10760 | .03601 | .01780 | .00120 | -.05900 | .78200 | .00000 |
| .200 | -1.030 | -.06160 | .03730 | .04070 | -.06220 | .03619 | .01780 | .00130 | -.05900 | .89200 | .00000 |
| .200 | -.010 | -.01430 | .03480 | .04290 | -.01430 | .03484 | .01800 | .00180 | -.05800 | 1.75400 | .00000 |
| .200 | 1.030 | .03020 | .03390 | .04460 | .03070 | .03336 | .01810 | .00260 | -.06000 | .11800 | .00000 |
| .200 | 2.020 | .07790 | .03360 | .04570 | .07910 | .03091 | .01800 | .00250 | -.05700 | .43900 | .00000 |
| .200 | 4.090 | .17530 | .03500 | .04930 | .17730 | .02245 | .01750 | .00210 | -.05500 | .54900 | .00000 |
| .200 | 6.160 | .27430 | .04180 | .05230 | .27720 | .01213 | .01750 | .00290 | -.05400 | .58200 | .00000 |
| .200 | 8.230 | .37480 | .05190 | .05300 | .37840 | -.00217 | .01770 | .00310 | -.05200 | .60000 | .00000 |
| .200 | 10.270 | .47630 | .06800 | .05330 | .48070 | -.01801 | .01710 | .00260 | -.05100 | .61100 | .00000 |
| .200 | 12.340 | .58120 | .08840 | .05510 | .58670 | -.03784 | .01660 | .00140 | -.04600 | .61700 | .00000 |
| .200 | 14.390 | .69940 | .12700 | .04940 | .70900 | -.05089 | .01650 | .00080 | -.04550 | .62600 | .00000 |
| .200 | 16.450 | .81200 | .17510 | .04540 | .82840 | -.06198 | .01640 | .00250 | -.04300 | .63100 | .00000 |
| .200 | 18.520 | .93350 | .24350 | .02910 | .96440 | -.06004 | .02100 | .00430 | -.04400 | .64100 | .00000 |
| .200 | 20.590 | 1.03560 | .31730 | .02480 | 1.08120 | -.06656 | .01940 | .00250 | -.04600 | .64300 | .00000 |
| .200 | 22.640 | 1.11040 | .38260 | .02670 | 1.17310 | -.07736 | .01630 | .00010 | -.04500 | .64400 | .00000 |
| .200 | 24.680 | 1.17920 | .46130 | .02750 | 1.26410 | -.07303 | .01680 | .00150 | -.04200 | .64400 | .00000 |
| .200 | 26.710 | 1.17350 | .52060 | .04660 | 1.28230 | -.06260 | .01640 | .00250 | -.04100 | .63600 | .00000 |
| .200 | 28.740 | 1.11190 | .57330 | .07470 | 1.26840 | -.04116 | .01490 | .00250 | -.04100 | .63100 | .00000 |
| .200 | 30.740 | 1.02550 | .60750 | .09250 | 1.19200 | -.02157 | .01440 | .00250 | -.04000 | .62900 | .00000 |
| | GRADIENT | .0452[illegible] | -.00155 | .00162 | .0454[illegible] | -.00[illegible]33 | .00[illegible]3 | [illegible] | [illegible] | [illegible] | [illegible] |

OA86 B49C9 W116E26V8R5X9 (RDX285) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
AILRON = .000 RUDDER = -7.960
SPOBRK = .000

RUN NO. 286/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .00020 | .03140 | .03280 | .00020 | .03145 | .00200 | .00450 | .14500 | 17.32400 | .00000 |
| .200 | -5.010 | -.01580 | .03420 | .03950 | -.01580 | .03423 | .01020 | .00310 | .04500 | 1.56900 | .00000 |
| .200 | .000 | -.01400 | .03400 | .04260 | -.01400 | .03409 | .01820 | .00090 | -.05400 | 1.76800 | .00000 |
| .200 | 5.020 | -.00460 | .03300 | .03890 | -.00460 | .03306 | .02210 | -.00720 | -.13200 | 3.71500 | .00000 |
| .200 | 10.040 | .00220 | .02840 | .04020 | .00220 | .02842 | .02520 | -.00670 | -.21400 | -6.01700 | .00000 |
| | GRADIENT | .00112 | -.00012 | -.00006 | .00112 | -.00012 | .00121 | -.00103 | -.01765 | .21402 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX287) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
AILRON = .000 RUDDER = -7.960
SPOBRK = .000

RUN NO. 287/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .48410 | .06380 | .04130 | .48770 | -.02350 | -.00450 | .01670 | .16700 | .62000 | .00000 |
| .200 | -5.030 | .22330 | .03730 | .04840 | .22570 | .01725 | .00920 | .00760 | .04600 | .57300 | .00000 |
| .200 | .000 | .22880 | .03670 | .05140 | .23120 | .01621 | .01790 | .00150 | -.05000 | .57000 | .00000 |
| .200 | 5.010 | .22590 | .03290 | .05260 | .22800 | .01266 | .02240 | -.00660 | -.13500 | .56700 | .00000 |
| .200 | 10.040 | .22910 | .02730 | .05100 | .23070 | .00675 | .02820 | -.01150 | -.22300 | .57000 | .00000 |
| | GRADIENT | .00326 | -.00244 | .00042 | .00023 | -.00046 | .00178 | -.00141 | -.01803 | -.00060 | .00000 |

0486 B49C9 W116E26V8R5X9 (RDX288) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 RUDDER = -7.960
SPDBRK = .000

RUN NO. 288/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .48180 | .06310 | .03930 | .48540 | -.02382 | -.00610 | .01650 | .16200 | .62200 | .00000 |
| .200 | -5.020 | .47810 | .06860 | .04600 | .48270 | -.01767 | .00530 | .01150 | .05200 | .61700 | .00000 |
| .200 | -.010 | .47830 | .06620 | .05300 | .48240 | -.02002 | .01530 | .00140 | -.04200 | .61100 | .00000 |
| .200 | 5.010 | .47960 | .05750 | .05590 | .48220 | -.02889 | .02340 | -.01030 | -.13000 | .60900 | .00000 |
| .200 | 10.040 | .48300 | .05520 | .05210 | .48510 | -.03171 | .03070 | -.01760 | -.22000 | .61200 | .00000 |
| | GRADIENT | .00015 | -.00111 | .00099 | -.00005 | -.00112 | .00174 | -.00217 | -.01815 | -.00080 | .00000 |

0486 B49C9 W116E2EV8R5X9 (RDX289) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = .000
AILRON = .000 RUDDER = -7.960
SPDBRK = .000

RUN NO. 289/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .75040 | .15220 | .03040 | .76380 | -.05299 | -.00480 | .02320 | .16100 | .63700 | .00000 |
| .200 | -5.020 | .75010 | .15140 | .04190 | .76340 | -.05367 | .00210 | .01470 | .06000 | .63100 | .00000 |
| .200 | -.010 | .75650 | .14970 | .04840 | .76910 | -.05714 | .01210 | .00520 | -.03300 | .62800 | .00000 |
| .200 | 5.000 | .75790 | .14390 | .04830 | .76880 | -.06307 | .02200 | -.01520 | -.12400 | .62900 | .00000 |
| .200 | 10.040 | .74520 | .14130 | .04400 | .75600 | -.06226 | .02740 | -.02960 | -.20700 | .63000 | .00000 |
| | GRADIENT | .00078 | -.00075 | .00064 | .00054 | -.00094 | .00199 | -.00298 | -.01836 | -.00020 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX290) ( 04 APR 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.3974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | ELEVON = | 5.000 |
| AILRON = | .000 | RUDDER = | -7.960 |
| SPDBRK = | .000 | | |

RUN NO. 290/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.080 | -.10740 | .04400 | -.00440 | -.11120 | .03625 | .01660 | -.00120 | -.05600 | .63700 | .00000 |
| .200 | -2.020 | -.01950 | .03890 | -.00200 | -.02090 | .03820 | .01710 | .00000 | -.05800 | .61600 | .00000 |
| .200 | -1.000 | .02690 | .03800 | -.00130 | .02630 | .03855 | .01720 | .00040 | -.05900 | .67100 | .00000 |
| .200 | .020 | .07160 | .03720 | .00090 | .07170 | .03716 | .01740 | .00070 | -.05900 | .64700 | .00000 |
| .200 | 1.050 | .11720 | .03720 | .00310 | .11790 | .03512 | .01740 | .00110 | -.06000 | .64200 | .00000 |
| .200 | 2.070 | .16360 | .03820 | .00490 | .16490 | .03234 | .01770 | .00120 | -.05800 | .64100 | .00000 |
| .200 | 4.120 | .25860 | .04310 | .00810 | .26100 | .02440 | .01730 | .00070 | -.05500 | .64000 | .00000 |
| .200 | 6.180 | .35750 | .05140 | .00910 | .36100 | .01258 | .01680 | .00020 | -.05300 | .64200 | .00000 |
| .200 | 8.240 | .45920 | .06470 | .01150 | .46370 | -.00178 | .01620 | -.00040 | -.05400 | .64300 | .00000 |
| .200 | 10.320 | .56180 | .08310 | .01220 | .56760 | -.01888 | .01570 | -.00070 | -.05400 | .64400 | .00000 |
| .200 | 12.380 | .66910 | .10890 | .01260 | .67690 | -.03090 | .01520 | -.00090 | -.04500 | .64500 | .00000 |
| .200 | 14.410 | .78840 | .14940 | .00750 | .78980 | -.05155 | .01520 | -.00140 | -.04300 | .64800 | .00000 |
| .200 | 16.470 | .89510 | .20200 | .00160 | .91570 | -.06917 | .01510 | -.00260 | -.04000 | .65100 | .00000 |
| .200 | 18.550 | 1.02000 | .27980 | -.01430 | 1.05600 | -.08935 | .01450 | -.00410 | -.04900 | .65700 | .00000 |
| .200 | 20.600 | 1.11590 | .35190 | -.01780 | 1.16650 | -.09268 | .01370 | -.00420 | -.04200 | .65700 | .00000 |
| .200 | 22.670 | 1.19790 | .42160 | -.01480 | 1.26790 | -.07269 | .01300 | -.00410 | -.04130 | .65600 | .00000 |
| .200 | 24.720 | 1.24170 | .49650 | -.00090 | 1.33560 | -.06831 | .01640 | -.00190 | -.04100 | .64800 | .00000 |
| .200 | 26.740 | 1.21600 | .55050 | .01810 | 1.33370 | -.05563 | .01620 | -.00110 | -.04130 | .64200 | .00000 |
| .200 | 28.740 | 1.12630 | .58620 | .05850 | 1.28340 | -.02772 | .01460 | -.00100 | -.04100 | .64400 | .00000 |
| .200 | 30.760 | 1.04750 | .62720 | .07110 | 1.22[illegible] | .00322 | .01310 | -.00110 | -.04200 | .64[illegible] | .00000 |
| | GRADIENT | .01463 | -.00014 | .00158 | .04527 | -.00145 | .00010 | .00025 | .00057 | .00076 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX291) ( 04 APR 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.3974 INCHES | | |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9871 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | [illegible] | ELEVON | 5.000 |
| AILRON = | | RUDDER | -7.960 |
| SPDBRK = | .000 | | |

RUN NO. 291/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.10 | .08960 | .[illegible]070 | -.[illegible]115 | .08360 | .03168 | -.00240 | .00025 | .15400 | [illegible] | [illegible] |
| .200 | -5.040 | .03540 | [illegible] | | .03540 | .03413 | .00670 | .00015 | [illegible] | [illegible] | [illegible] |
| .200 | .000 | .07480 | [illegible] | | .07480 | .03574 | .01220 | -.00015 | -.00400 | .68[illegible] | [illegible] |
| .200 | 5.030 | .07440 | [illegible] | | .07460 | .03794 | .01760 | -.00040 | -.01130 | .68[illegible] | [illegible] |
| .200 | 10.[illegible] | [illegible] | [illegible] | | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | GRADIENT | [illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | [illegible] | -.[illegible] | -.[illegible] | [illegible] | [illegible] |

0A86 B49C9 W116E28V8R5X9 (RDX292) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
AILRON = .000 RUDDER = -7.960
SPOILR = .000

RUN NO. 292/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .31010 | .04000 | -.00010 | .31240 | .01196 | -.00380 | .00940 | .15900 | .65200 | .00000 |
| .200 | -5.020 | .31610 | .04350 | .00290 | .31870 | .01493 | .00410 | .00360 | .05960 | .64800 | .00000 |
| .200 | -.010 | .31390 | .04510 | .00890 | .31670 | .01670 | .01620 | -.00040 | -.04900 | .64100 | .00000 |
| .200 | 5.020 | .30590 | .04610 | .01230 | .30820 | .01250 | .02150 | -.01140 | -.13600 | .63700 | .00000 |
| .200 | 10.030 | .31140 | .03450 | .01030 | .31330 | .00639 | .02840 | -.01510 | -.22600 | .64000 | .00000 |
| | GRADIENT | -.00102 | -.00034 | .00094 | -.00105 | -.00024 | .00173 | -.00149 | -.01942 | -.00110 | .00000 |

0A86 B49C9 W116E26V8R5X9 (RDX293) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000
AILRON = .000 RUDDER = -7.960
SPOILR = .000

RUN NO. 293/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .56840 | .07980 | -.00210 | .57360 | -.02314 | -.00760 | .01570 | .16600 | .65300 | .00000 |
| .200 | -5.010 | .56490 | .08520 | .00510 | .57100 | -.01715 | .00290 | .00910 | .05900 | .64800 | .00000 |
| .200 | -.010 | .56550 | .08000 | .01320 | .57070 | -.02246 | .01390 | -.00280 | -.03700 | .64300 | .00000 |
| .200 | 5.000 | .56510 | .07250 | .01370 | .56890 | -.02972 | .02350 | -.01470 | -.13000 | .64300 | .00000 |
| .200 | 10.040 | .57040 | .06970 | .01030 | .57370 | -.03344 | .03110 | -.02310 | -.22170 | .64500 | .00000 |
| | GRADIENT | .00002 | -.00127 | .00046 | -.00021 | -.00126 | .00206 | -.00238 | -.01888 | -.00050 | .00000 |

OA86 B49C9 W116E26V8R5X9 (R0X294) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.00 ELEVON = 5.000
AILRON = .00 RUDDER = -7.960
SPDBRK = .000

RUN NO. 294/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .83650 | .17670 | -.01010 | .85340 | -.05241 | -.00540 | .02410 | .16400 | .65600 | .00000 |
| .200 | -5.020 | .83480 | .17680 | -.00150 | .85230 | -.04990 | .00360 | .01530 | .05900 | .65200 | .00000 |
| .200 | .000 | .84720 | .17310 | .00660 | .86270 | -.05880 | .01270 | -.00100 | -.03000 | .64900 | .00000 |
| .200 | 5.040 | .84570 | .16890 | .00630 | .86020 | -.06240 | .02250 | -.01690 | -.12500 | .64300 | .00000 |
| .200 | 10.050 | .82750 | .16680 | .00230 | .84200 | -.05960 | .02910 | -.03260 | -.21200 | .65100 | .00000 |
| | GRADIENT | .00108 | -.00098 | .00077 | .00078 | -.00114 | .00188 | -.00320 | -.01829 | -.01033 | .00000 |

OA86 B49C9 W116E26V8R5X9 (R0X295) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 295/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.090 | -.10800 | .04270 | -.00610 | -.10880 | .03504 | .00160 | .00720 | -.02200 | .63100 | .00000 |
| .200 | -1.970 | -.01530 | .03700 | -.00330 | -.01650 | .03648 | .00210 | .00780 | -.02300 | .57800 | .00000 |
| .200 | -1.000 | .02770 | .03550 | -.00160 | .02710 | .03580 | .00210 | .00810 | -.02500 | .67600 | .00000 |
| .200 | .030 | .07450 | .03560 | -.00070 | .07450 | .03556 | .00200 | .00830 | -.02500 | .65500 | .00000 |
| .200 | 1.040 | .12040 | .03520 | .00140 | .12100 | .03305 | .00230 | .00820 | -.02500 | .64700 | .00000 |
| .200 | 2.060 | .16830 | .03530 | .00330 | .16950 | .02982 | .00220 | .00730 | -.02200 | .64400 | .00000 |
| .200 | 4.110 | .25660 | .03630 | .00690 | .26170 | .02363 | .00210 | .00620 | -.02500 | .64200 | .00000 |
| .200 | 6.160 | .35740 | .03850 | .00960 | .36470 | .01152 | .00310 | .00430 | -.02200 | .64300 | .00000 |
| .200 | 8.230 | .47410 | .04160 | .01040 | .46350 | -.00278 | .00300 | .00260 | -.02000 | .64200 | .00000 |
| .200 | 10.290 | .56100 | .04620 | .01110 | .56760 | -.01974 | .00350 | .00610 | -.02000 | .63100 | .00000 |
| .200 | 12.350 | .66420 | .05160 | .01160 | .67690 | -.03712 | .00280 | .00560 | -.01800 | .63100 | .00000 |
| .200 | 14.420 | .78710 | .05790 | .01240 | .79940 | -.05139 | .00310 | .00410 | -.01600 | .62900 | .00000 |
| .200 | 16.470 | .89860 | .06510 | .01310 | .91160 | -.06110 | .00270 | .00300 | -.01300 | .62600 | .00000 |
| .200 | 18.550 | 1.01640 | .07310 | .01370 | 1.03230 | -.06884 | .00230 | .00210 | -.01000 | .62400 | .00000 |
| .200 | 20.610 | 1.11370 | .08180 | .01360 | 1.13570 | -.07420 | .00440 | .00190 | -.00700 | .62200 | .00000 |
| .200 | 22.650 | 1.20000 | .09110 | .01360 | 1.23270 | -.07453 | .00460 | .00160 | -.00400 | .62000 | .00000 |
| .200 | 24.750 | 1.27640 | .10110 | .01350 | 1.32080 | -.07082 | .00390 | .00120 | -.00100 | .61800 | .00000 |
| .200 | 26.740 | 1.32460 | .11170 | .01340 | 1.37470 | -.06603 | .00300 | .00110 | .00200 | .61600 | .00000 |
| .200 | 28.790 | 1.33740 | .12290 | .01320 | 1.38511 | -.05877 | .00270 | .00080 | .00500 | .61400 | .00000 |
| .200 | 30.840 | 1.32440 | .13470 | .01300 | 1.37240 | -.05141 | .00240 | .00040 | .00800 | .61200 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX296) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 296/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .08560 | .03330 | -.01030 | .08560 | .03328 | -.01000 | .00920 | .17200 | .69700 | .00000 |
| .200 | -5.010 | .07390 | .03420 | -.00440 | .07390 | .03425 | -.00560 | .01050 | .08000 | .67400 | .00000 |
| .200 | -.010 | .07760 | .03400 | -.00130 | .07760 | .03405 | .00240 | .00650 | -.01900 | .65800 | .00000 |
| .200 | 5.010 | .07890 | .03340 | .00040 | .07890 | .03342 | .00830 | -.00270 | -.10400 | .65000 | .00000 |
| .200 | 10.040 | .08170 | .02790 | .00020 | .08170 | .02791 | .01400 | -.00560 | -.19200 | .65100 | .00000 |
| | GRADIENT | .00050 | -.00006 | .00045 | .00050 | -.00008 | .00139 | -.00132 | - 1836 | -.00239 | .00000 |

OA86 B49C9 W1.6E26V8R5X9 (RDX297) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PA AMETRIC DATA

ALPHA = 5.000 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 297/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.000 | .30980 | .04110 | -.00090 | .31220 | .01315 | -.01280 | .01420 | .17900 | .65300 | .00000 |
| .200 | -5.010 | .31150 | .04400 | .00270 | .31420 | .01585 | -.00680 | .01300 | .08400 | .64800 | .00000 |
| .200 | .000 | .31270 | .04460 | .00340 | .31540 | .01634 | .00230 | .00660 | -.01800 | .64200 | .00000 |
| .200 | 5.020 | .30340 | .03970 | .01250 | .30780 | .01219 | .00790 | -.00540 | -.10600 | .63700 | .00000 |
| .200 | 10.050 | .31090 | .03740 | .00920 | .31270 | .00533 | .01780 | -.00970 | -.20500 | .64100 | .00000 |
| | GRADIENT | -.00061 | -.00043 | .00098 | -.00064 | -.00037 | .00147 | -.00183 | -.01894 | -.00110 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX298) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 298/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .56980 | .08020 | -.00140 | .57490 | -.02288 | -.01650 | .01980 | .18700 | .65300 | .00000 |
| .200 | -5.020 | .56430 | .08100 | .00500 | .56970 | -.02096 | -.00960 | .01590 | .08900 | .64800 | .00000 |
| .200 | -.010 | .56290 | .08060 | .01320 | .56820 | -.02120 | .00140 | .00440 | -.00900 | .64300 | .00000 |
| .200 | 5.020 | .56160 | .07230 | .01560 | .56550 | -.02907 | .01090 | -.00930 | -.10300 | .64100 | .00000 |
| .200 | 10.030 | .56930 | .06870 | .01040 | .57240 | -.03405 | .01990 | -.02000 | -.19700 | .64500 | .00000 |
| | GRADIENT | -.00027 | -.00087 | .00106 | -.00042 | -.00081 | .00204 | -.00251 | -.01912 | -.00070 | .00000 |

OA86 B49C9 W116E26V8R5X9 (RDX299) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 ELEVON = 5.000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 299/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .83140 | .17630 | -.00880 | .84830 | -.05151 | -.01380 | .02830 | .18100 | .65500 | .00000 |
| .200 | -5.02 | .83840 | .17940 | -.00300 | .85600 | -.05042 | -.00950 | .02210 | .08900 | .65300 | .00000 |
| .200 | -.01 | .84520 | .17320 | .00730 | .86080 | -.05832 | -.00170 | .00480 | .00000 | .64900 | .00000 |
| .200 | 5.00 | .84310 | .16800 | .00690 | .85740 | -.06267 | .00920 | -.01170 | -.09800 | .64900 | .00000 |
| .200 | 10.020 | .82450 | .16630 | .00410 | .83900 | -.05942 | .01980 | -.02910 | -.18900 | .65000 | .00000 |
| | GRADIENT | .00047 | -.00114 | .00099 | .00014 | -.00122 | .00187 | -.00337 | -.01866 | -.00040 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX300) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = 16.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 300/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.080 | -.05930 | .05160 | -.02970 | -.06280 | .04725 | .00090 | .00760 | -.02100 | .47800 | .00000 |
| .200 | -2.020 | .02940 | .04900 | -.02500 | .02760 | .05004 | .00150 | .00900 | -.02500 | .98500 | .00000 |
| .200 | -.980 | .07420 | .04800 | -.02280 | .07340 | .04936 | .00160 | .00890 | -.02400 | .76600 | .00000 |
| .200 | .040 | .11920 | .04910 | -.02130 | .11920 | .04904 | .00150 | .00890 | -.02350 | .71800 | .00000 |
| .200 | 1.060 | .16720 | .04980 | -.02000 | .16810 | .04672 | .00180 | .00900 | -.02300 | .69500 | .00000 |
| .200 | 2.080 | .21040 | .05200 | -.01640 | .21220 | .04438 | .00180 | .00850 | -.02200 | .68000 | .00000 |
| .200 | 4.130 | .30550 | .05900 | -.01290 | .30900 | .03684 | .00170 | .00860 | -.02000 | .66700 | .00000 |
| .200 | 6.190 | .40030 | .06940 | -.00950 | .40540 | .02588 | .00170 | .00780 | -.01800 | .66000 | .00000 |
| .200 | 8.250 | .49850 | .08360 | -.00660 | .50540 | .01126 | .00140 | .00690 | -.01600 | .65600 | .00000 |
| .200 | 10.310 | .60320 | .10390 | -.00670 | .61200 | -.00574 | .00130 | .00600 | -.01400 | .65600 | .00000 |
| .200 | 12.370 | .71170 | .13160 | -.00670 | .72340 | -.02384 | .00090 | .00570 | -.01200 | .65500 | .00000 |
| .200 | 14.430 | .82660 | .17560 | -.01270 | .84430 | -.03591 | .00120 | .00570 | -.01050 | .65700 | .00000 |
| .200 | 16.490 | .93440 | .22940 | -.01880 | .96110 | -.04523 | .00110 | .00810 | -.00900 | .65900 | .00000 |
| .200 | 18.560 | 1.05800 | .31030 | -.03770 | 1.10170 | -.04269 | .00510 | .00960 | -.01450 | .66400 | .00000 |
| .200 | 20.620 | 1.15110 | .38720 | -.04720 | 1.21380 | -.04311 | .00290 | .00500 | -.00200 | .66600 | .00000 |
| .200 | 22.680 | 1.24720 | .46120 | -.04830 | 1.32860 | -.05536 | .00260 | .00590 | -.01000 | .66500 | .00000 |
| .200 | 24.720 | 1.28490 | .53810 | -.04330 | 1.39220 | -.04868 | .00240 | .00760 | -.00800 | .66300 | .00000 |
| .200 | 26.750 | 1.27260 | .60000 | -.01860 | 1.40650 | -.03723 | .00230 | .00520 | -.01000 | .65700 | .00000 |
| .200 | 28.770 | 1.20000 | .64620 | .01560 | 1.36290 | -.01122 | .00260 | .00930 | -.01700 | .64700 | .00000 |
| .200 | 30.790 | 1.13330 | .69290 | .01710 | 1.32830 | .01493 | .00680 | .00670 | -.02700 | .64700 | .00000 |
| | GRADIENT | .04443 | .00087 | .00202 | .04529 | -.00129 | .00009 | .00007 | .00025 | .00181 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX301) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = .000 BDFLAP = 16.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 301/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .12960 | .04670 | -.02980 | .12970 | .04666 | -.01910 | .01700 | .19200 | .73600 | .00000 |
| .200 | -5.000 | .11990 | .04700 | -.02510 | .11990 | .04701 | -.01130 | .01130 | .19200 | .73900 | .00000 |
| .200 | .000 | .12330 | .04810 | -.02280 | .12340 | .04856 | .00140 | .00770 | -.01300 | .73600 | .00000 |
| .200 | 5.020 | .11950 | .04600 | -.01780 | .11950 | .04599 | .01880 | -.00310 | -.01400 | .73600 | .00000 |
| .200 | 10.050 | .12330 | .04750 | -.01720 | .12340 | .04859 | .01990 | -.00530 | -.01300 | .73600 | .00000 |
| | RADIENT | -.00104 | -.00010 | .00073 | -.00094 | -.00010 | .00071 | .00014 | -.00135 | -.00013 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX302) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 5.000 BDFLAP = 16.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 302/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .35510 | .05890 | -.02130 | .35900 | .02667 | -.02210 | .01610 | .19800 | .67400 | .00000 |
| .200 | -5.010 | .35630 | .05560 | -.01510 | .35990 | .02336 | -.01300 | .01400 | .09900 | .66700 | .00000 |
| .200 | -.010 | .35600 | .06230 | -.01100 | .36020 | .03004 | .00170 | .00780 | -.01600 | .66300 | .00000 |
| .200 | 5.020 | .34850 | .05680 | -.00670 | .35220 | .02529 | .01070 | -.00370 | -.11400 | .65900 | .00000 |
| .200 | 10.030 | .35030 | .04900 | -.00720 | .35330 | .01734 | .02370 | -.01030 | -.21600 | .65900 | .00000 |
| | GRADIENT | -.00078 | .00012 | .00084 | -.00077 | .00019 | .00236 | -.00177 | -.02123 | -.00080 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX303) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = 16.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 303/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .60360 | .10070 | -.02200 | .61190 | -.00892 | -.02720 | .02140 | .20800 | .66500 | .00000 |
| .200 | -5.020 | .60150 | .10210 | -.01460 | .61010 | -.00732 | -.01660 | .01720 | .10100 | .66000 | .00000 |
| .200 | -.010 | .59450 | .09990 | -.00290 | .60280 | -.00816 | -.00100 | .00480 | -.00500 | .65300 | .00000 |
| .200 | 5.010 | .59620 | .09210 | -.00260 | .60310 | -.01603 | .01360 | -.00910 | -.10700 | .65300 | .00000 |
| .200 | 10.040 | .60250 | .08850 | -.00820 | .60860 | -.02079 | .02640 | -.01830 | -.21100 | .65700 | .00000 |
| | GRADIENT | -.00053 | -.00100 | .00120 | -.00075 | -.00087 | .00331 | -.00262 | -.02074 | -.00070 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX304) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = 16.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 304/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .87110 | .20440 | -.03260 | .89410 | -.03521 | -.02300 | .02770 | .20200 | .66500 | .00000 |
| .200 | -5.020 | .87590 | .20830 | -.02490 | .89970 | -.03284 | -.01620 | .02230 | .10300 | .66200 | .00000 |
| .200 | .000 | .87730 | .20040 | -.01250 | .89900 | -.04066 | -.00320 | .00460 | .00300 | .65700 | .00000 |
| .200 | 5.010 | .88320 | .19570 | -.01300 | .90340 | -.04679 | .01200 | -.01280 | -.10300 | .65700 | .00000 |
| .200 | 10.040 | .86800 | .19110 | -.01880 | .88750 | -.04713 | .02260 | -.03080 | -.19900 | .65900 | .00000 |
| | GRADIENT | .00073 | -.00126 | .00119 | .00037 | -.00139 | .00281 | -.00350 | -.02054 | -.00050 | .00000 |

OA86 B49C9 F8 W116E26V8R5X5 (RDX305) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = 16.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 305/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.090 | -.15220 | .05760 | .01300 | -.15590 | .04664 | .00280 | .00720 | -.02300 | .68200 | .00000 |
| .200 | -2.040 | -.06075 | .05170 | .01640 | -.06250 | .04950 | .00320 | .00910 | -.02800 | .74900 | .00000 |
| .200 | -1.000 | -.01390 | .05010 | .01810 | -.01480 | .04968 | .00330 | .00970 | -.02900 | 1.10400 | .00000 |
| .200 | .000 | .03550 | .04950 | .02010 | .03550 | .04955 | .00350 | .01030 | -.03000 | .44300 | .00000 |
| .200 | 1.030 | .08090 | .04860 | .02250 | .08170 | .04718 | .00320 | .01030 | -.02800 | .55000 | .00000 |
| .200 | 2.060 | .12700 | .04920 | .02410 | .12870 | .04465 | .00310 | .01040 | -.02700 | .58300 | .00000 |
| .200 | 4.110 | .22360 | .05360 | .02610 | .22680 | .03744 | .00250 | .00940 | -.02300 | .60900 | .00000 |
| .200 | 6.170 | .32080 | .06180 | .02820 | .32560 | .02693 | .00340 | .01050 | -.02500 | .62000 | .00000 |
| .200 | 8.230 | .42390 | .07440 | .02860 | .43020 | .01302 | .00310 | .00970 | -.02200 | .62700 | .00000 |
| .200 | 10.290 | .52860 | .09240 | .03020 | .53660 | -.00344 | .00210 | .00850 | -.01900 | .63100 | .00000 |
| .200 | 12.350 | .63450 | .11840 | .02910 | .64520 | -.02010 | .00090 | .00820 | -.01500 | .63500 | .00000 |
| .200 | 14.400 | .74940 | .15810 | .02490 | .76520 | -.03330 | .00060 | .00770 | -.01200 | .64000 | .00000 |
| .200 | 16.460 | .86230 | .21850 | .01460 | .88890 | -.03490 | .00220 | .01050 | -.01300 | .64600 | .00000 |
| .200 | 18.460 | .98330 | .28540 | .00170 | 1.02310 | -.04249 | .00410 | .01160 | -.01400 | .65100 | .00000 |
| .200 | 20.600 | 1.08650 | .35750 | -.00710 | 1.14230 | -.04770 | .00200 | .00610 | -.00900 | .65300 | .00000 |
| .200 | 22.650 | 1.17410 | .42690 | -.00750 | 1.24850 | -.05825 | .00140 | .00620 | -.00700 | .65430 | .00000 |
| .200 | 24.720 | 1.23690 | .51150 | -.01070 | 1.33750 | -.05266 | .00000 | .00750 | -.00550 | .65450 | .00000 |
| .200 | 26.750 | 1.23660 | .57700 | .00750 | 1.36400 | -.04133 | .00000 | .00460 | -.00500 | .65000 | .00000 |
| .200 | 28.750 | 1.13420 | .61780 | .04370 | 1.29160 | -.02235 | -.00150 | -.00250 | -.00500 | .63200 | .00000 |
| .200 | 30.780 | 1.10150 | .67080 | .04140 | 1.28260 | -.01062 | -.00650 | -.00560 | -.00400 | .61100 | .00000 |
| | GRADIENT | .04586 | -.00052 | .00166 | .04670 | .00114 | -.00103 | .00028 | -.00007 | -.00221 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX306) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | .000 | BDFLAP = | 16.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | .000 |

RUN NO. 306/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .04710 | .04810 | .00930 | .04720 | .04813 | -.01730 | .01150 | .18700 | .57900 | .00000 |
| .200 | -5.020 | .02810 | .04630 | .02050 | .02810 | .04634 | -.01110 | .01100 | .09000 | .38300 | .00000 |
| .200 | .000 | .03460 | .04810 | .02070 | .03460 | .04816 | .00210 | .00870 | -.02200 | .43100 | .00000 |
| .200 | 5.010 | .04170 | .04690 | .01930 | .04180 | .04692 | .00980 | -.00020 | -.10700 | .48100 | .00000 |
| .200 | 10.050 | .05150 | .03990 | .01600 | .05150 | .03993 | .01980 | -.00100 | -.20800 | .53700 | .00000 |
| | GRADIENT | .00136 | .00006 | -.00012 | .00137 | .00006 | .00208 | -.00112 | -.01964 | .00977 | .00000 |

OA86 B49C9 F8 W116E26V8R5X9 (RDX307) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| ALPHA = | 5.000 | BDFLAP = | 16.000 |
| ELEVON = | .000 | AILRON = | .000 |
| RUDDER = | .000 | SPDBRK = | .000 |

RUN NO. 307/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .27200 | .05210 | .01970 | .27560 | .02752 | -.01990 | .01520 | .19400 | .62500 | .00000 |
| .200 | -5.010 | .27080 | .05610 | .02450 | .27480 | .03160 | -.01180 | .01520 | .09300 | .61900 | .00000 |
| .200 | .000 | .27790 | .05620 | .02820 | .28190 | .03109 | .00250 | .00940 | -.02200 | .61500 | .00000 |
| .200 | 5.020 | .27780 | .05130 | .02870 | .28130 | .02624 | .01200 | .00000 | -.11600 | .61400 | .00000 |
| .200 | 10.040 | .28080 | .04430 | .02700 | .28370 | .01896 | .02340 | -.00630 | -.21700 | .61700 | .00000 |
| | GRADIENT | .00070 | -.00048 | .00042 | .00065 | -.00053 | .00237 | -.00152 | -.02084 | -.00050 | .00000 |

OA66 B49C9 F8 W116E26V8 X9 (RDX308) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLAP = 16.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 308/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .53290 | .08980 | .01510 | .54040 | -.00682 | -.02490 | .02190 | .19900 | .64100 | .00000 |
| .200 | -5.020 | .53000 | .09210 | .02220 | .53790 | -.00416 | -.01440 | .01880 | .09500 | .63600 | .00000 |
| .200 | -.010 | .52820 | .09020 | .03220 | .53580 | -.00557 | -.00090 | .00830 | -.01000 | .63000 | .00000 |
| .200 | 5.010 | .53070 | .08260 | .03250 | .53690 | -.01357 | .01360 | -.00450 | -.10900 | .62900 | .00000 |
| .200 | 10.040 | .53550 | .07820 | .02670 | .54090 | -.01876 | .02680 | -.01480 | -.21100 | .63300 | .00000 |
| | GRADIENT | .00007 | -.00095 | .00103 | -.00010 | -.00094 | .00279 | -.00232 | -.02034 | -.00070 | .00000 |

OA66 949C9 F8 W116E26V8R5X9 (RDX309) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 15.000 BDFLAP = 16.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 309/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .80080 | .18350 | .00390 | .82070 | -.03623 | -.02190 | .02930 | .19600 | .65000 | .00000 |
| .200 | -5.030 | .79910 | .18120 | .01570 | .81850 | -.03803 | -.01720 | .02190 | .10200 | .64500 | .00000 |
| .200 | .000 | .80630 | .18110 | .025[illegible] | .82550 | -.04002 | -.00530 | .00670 | .00200 | .64000 | .00000 |
| .200 | 5.020 | .80530 | .17490 | .02450 | .82290 | -.04571 | .01100 | -.00960 | -.10100 | .64100 | .00000 |
| .200 | 10.030 | .79640 | .17280 | .01790 | .81370 | -.04528 | .02290 | -.02590 | -.20000 | .64400 | .00000 |
| | GRADIENT | .00062 | -.00063 | .00088 | .00044 | -.00076 | .00281 | -.00313 | -.02020 | -.00040 | .00000 |

0A86 849C9 W116E26V8R5X9+STR (ROX310) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 310/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | C.B |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.060 | -.18570 | .04440 | .03230 | -.18840 | .03113 | .00130 | .00670 | -.01900 | .71500 | .00000 |
| .200 | -2.050 | -.09610 | .03680 | .03510 | -.09740 | .03337 | .00240 | .00930 | -.02400 | .784' | .00000 |
| .200 | -1.020 | -.04890 | .03470 | .03690 | -.04950 | .03382 | .00230 | .00840 | -.02300 | .92600 | .00000 |
| .20' | .000 | .00610 | .03200 | .03860 | .00610 | .03205 | .00260 | .00940 | -.02500 | -1.64800 | .00000 |
| .200 | 1.010 | .05530 | .03160 | .04000 | .05580 | .03065 | .00310 | .00980 | -.02600 | .38800 | .00000 |
| .200 | 2.050 | .09880 | .03160 | .04170 | .09990 | .02803 | .00290 | .00980 | -.02600 | .49800 | .00000 |
| .200 | 4.110 | .19660 | .03360 | .04400 | .19850 | .01947 | .00270 | .00870 | -.02000 | .57000 | .00000 |
| .200 | 6.160 | .29740 | .04110 | .04650 | .30010 | .00631 | .00340 | .00975 | -.02200 | .59500 | .00000 |
| .200 | 8.210 | .40390 | .05200 | .04690 | .40720 | -.00619 | .00350 | .00975 | -.02200 | .60900 | .00000 |
| .200 | 10.280 | .50830 | .06810 | .04920 | .51230 | -.02364 | .00280 | .00840 | -.01700 | .61600 | .00000 |
| .200 | 12.350 | .60690 | .09090 | .05110 | .61230 | -.04101 | .00250 | .00795 | -.01700 | .62100 | .00000 |
| .200 | 14.400 | .73070 | .13140 | .04780 | .74040 | -.05443 | .00260 | .00770 | -.01500 | .62800 | .00000 |
| .200 | 16.450 | .84850 | .19170 | .03830 | .86810 | -.05657 | .00550 | .01130 | -.01700 | .63500 | .00000 |
| .200 | 18.540 | .96440 | .25640 | .03020 | .99590 | -.06361 | .00780 | .01160 | -.02300 | .64000 | .00000 |
| .200 | 20.580 | 1.06000 | .32520 | .02760 | 1.10660 | -.06825 | .00520 | .00700 | -.01400 | .64200 | .00000 |
| .200 | 22.650 | 1.14519 | .38880 | .03110 | 1.20650 | -.08222 | .00460 | .00700 | -.01400 | .64200 | .00000 |
| .200 | 24.700 | 1.20390 | .47100 | .03170 | 1.29060 | -.07518 | .00230 | .00830 | -.00900 | .64300 | .00000 |
| .200 | 26.720 | 1.19670 | .53220 | .05230 | 1.30830 | -.06275 | .00060 | .00600 | -.00600 | .63700 | .00000 |
| .200 | 28.740 | 1.12040 | .57850 | .08700 | 1.26060 | -.03153 | .00500 | .00280 | -.00700 | .62600 | .00000 |
| .200 | 30.750 | 1.03410 | .60710 | .08760 | 1.19920 | -.00710 | .00310 | .00430 | -.01100 | .62500 | .00000 |
| | GRADIENT | .04706 | -.00132 | .00147 | .04763 | -.00141 | .00017 | .00029 | -.00025 | -.03908 | .00000 |

OA86 B49C9 W116E26V8R5X9+STG (RDX311) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPDBRK = .000

RUN NO. 311/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | C | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.18380 | .03890 | .03150 | -.18610 | .02565 | .00160 | .00690 | -.01900 | .71400 | .00000 |
| .200 | -2.080 | -.09100 | .03050 | .03490 | -.09200 | .02721 | .00260 | .00800 | -.02400 | .79100 | .00000 |
| .200 | -1.020 | -.03510 | .02810 | .03600 | -.03560 | .02750 | .00280 | .00860 | -.02400 | 1.02100 | .00000 |
| .200 | .000 | .00520 | .02710 | .03750 | .00520 | .02713 | .00300 | .00920 | -.02500 | -1.98600 | .00000 |
| .200 | 1.010 | .05290 | .02630 | .03870 | .05340 | .02544 | .00330 | .01000 | -.02600 | .37800 | .00000 |
| .200 | 2.050 | .10260 | .02600 | .04120 | .10340 | .02237 | .00330 | .00940 | -.02500 | .50500 | .00000 |
| .200 | 4.100 | .19970 | .02840 | .04380 | .20130 | .01411 | .00310 | .00860 | -.02100 | .57200 | .00000 |
| .200 | 6.170 | .30440 | .03540 | .04530 | .30650 | .00246 | .00390 | .00970 | -.02200 | .59700 | .00000 |
| .200 | 8.220 | .41120 | .04650 | .04620 | .41360 | -.01271 | .00370 | .00930 | -.02000 | .61100 | .00000 |
| .200 | 10.260 | .50600 | .06130 | .04780 | .50880 | -.02985 | .00330 | .00840 | -.01700 | .61700 | .00000 |
| .200 | 12.340 | .62470 | .08840 | .04870 | .62910 | -.04719 | .00310 | .00760 | -.01700 | .62300 | .00000 |
| .200 | 14.400 | .73810 | .12640 | .04580 | .74640 | -.06127 | .00320 | .00890 | -.01500 | .62900 | .00000 |
| .200 | 16.460 | .84870 | .18530 | .03730 | .86640 | -.06272 | .00640 | .01090 | -.01900 | .63600 | .00000 |
| .200 | 18.530 | .96240 | .24790 | .02970 | .99110 | -.07170 | .00820 | .01150 | -.02100 | .64100 | .00000 |
| .200 | 20.590 | 1.07000 | .32190 | .02550 | 1.11490 | -.07507 | .00560 | .00720 | -.01600 | .64300 | .00000 |
| .200 | 22.640 | 1.15450 | .38720 | .02990 | 1.21460 | -.08710 | .00440 | .00620 | -.01000 | .64300 | .00000 |
| .200 | 24.700 | 1.20270 | .45460 | .03230 | 1.28680 | -.08043 | .00230 | .00880 | -.01000 | .64200 | .00000 |
| .200 | 26.740 | 1.19110 | .52820 | .05450 | 1.30140 | -.06424 | .00050 | .00910 | -.00700 | .63600 | .00000 |
| .200 | 28.750 | 1.07890 | .55130 | .08510 | 1.21590 | -.02656 | .00440 | -.00570 | -.01100 | .62600 | .00000 |
| .200 | 30.760 | 1.04650 | .61470 | .08790 | 1.21510 | -.00859 | .00390 | .00450 | -.01400 | .62500 | .00000 |
| | GRADIENT | .04667 | -.00123 | .00152 | .04714 | -.00135 | .00018 | .00026 | -.00028 | -.04155 | .00000 |

OA86 B26C9 M7F8 W116E26V8R5X9+5TG (RDX312) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = 16.000
ELEVON = .000 AILRON = .000
RUDDEF = .000 SPDBRK = 25.000

RUN NO. 312/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.17860 | .02740 | .04800 | -.18010 | .01462 | .00100 | .00740 | -.02000 | .75000 | .06070 |
| .200 | -2.050 | -.09100 | .01850 | .05070 | -.09160 | .01527 | .00150 | .00880 | -.02300 | .85600 | .06195 |
| .200 | -1.020 | -.03670 | .01590 | .05070 | -.03690 | .01524 | .00170 | .00920 | -.02400 | 1.15700 | .06152 |
| .200 | .000 | .01160 | .01390 | .05150 | .01160 | .01391 | .00190 | .01020 | -.02500 | -.98000 | .06172 |
| .200 | 1.030 | .05840 | .01480 | .05090 | .05860 | .01379 | .00170 | .00970 | -.02300 | .33200 | .05983 |
| .200 | 2.050 | .11140 | .01510 | .05200 | .11180 | .01117 | .00180 | .00980 | -.02300 | .48100 | .05826 |
| .200 | 4.090 | .21120 | .01710 | .05240 | .21190 | .00198 | .00200 | .00940 | -.02100 | .56100 | .05881 |
| .200 | 6.160 | .31200 | .02530 | .05130 | .31290 | -.00827 | .00270 | .00980 | -.02100 | .59100 | .05712 |
| .200 | 8.240 | .42030 | .03810 | .05130 | .42140 | -.02253 | .00270 | .00950 | -.01900 | .60700 | .05668 |
| .200 | 10.280 | .52270 | .05380 | .05360 | .52390 | -.04031 | .00280 | .00950 | -.02000 | .61400 | .05779 |
| .200 | 12.330 | .63350 | .07800 | .05460 | .63560 | -.05912 | .00250 | .00820 | -.01700 | .62000 | .06072 |
| .200 | 14.410 | .75120 | .11430 | .05410 | .75600 | -.07628 | .00280 | .00820 | -.01400 | .62500 | .06594 |
| .200 | 16.460 | .86200 | .16690 | .05160 | .87400 | -.08419 | .00420 | .01120 | -.01300 | .63000 | .07325 |
| .200 | 18.530 | .98[illegible] | .22820 | .04890 | 1.00540 | -.09635 | .00670 | .01130 | -.02000 | .63400 | .08104 |
| .200 | 20.600 | 1.08990 | .2[illegible]30 | .04890 | 1 12410 | -.10707 | .00440 | .00620 | -.01400 | .63600 | .08747 |
| .200 | 22.650 | 1.18460 | .36310 | .051[illegible] | 1.23310 | -.12115 | .00420 | .[illegible]630 | -.01300 | .63600 | .09443 |
| .200 | 24.710 | 1.25020 | .44310 | .05610 | 1.32090 | -.12013 | .00220 | .00780 | -.00900 | .63600 | .10012 |
| .200 | 26.730 | 1.25720 | .50100 | .07900 | 1.34820 | -.11854 | .00070 | .00570 | -.00300 | .63100 | .11002 |
| .200 | 28.750 | 1.17970 | .52280 | .12690 | 1.26570 | -.10914 | .00010 | .01670 | -.01800 | .61[illegible]0 | .13766 |
| .200 | 30.760 | 1.07990 | .54930 | .14080 | 1.20900 | -.08043 | .00200 | .00460 | -.01100 | .60300 | .12639 |
| | GRADIENT | .04787 | -.00114 | .00047 | .04813 | -.00140 | .00011 | .00024 | -.00007 | -.05421 | .00239 |

OA86 B26C9 M7S8 W116E26V8R5X9+STG (RDx313) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.3974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = .000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 313/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.21430 | .02970 | .07550 | -.21590 | .01430 | .00170 | .00990 | -.02400 | .78000 | .06041 |
| .200 | -2.050 | -.13210 | .01970 | .08080 | -.13270 | .01491 | .00160 | .00870 | -.02200 | .87600 | .05961 |
| .200 | -1.050 | -.08210 | .01660 | .08080 | -.08230 | .01515 | .00190 | .00970 | -.02300 | 1.01300 | .05955 |
| .200 | .000 | -.03540 | .01420 | .08190 | -.03540 | .01421 | .00180 | .00980 | -.02300 | 1.50400 | .05962 |
| .200 | 1.010 | .01230 | .01310 | .08200 | .01250 | .01290 | .00200 | .01020 | -.02200 | -1.74700 | .05951 |
| .200 | 2.050 | .06340 | .01210 | .08290 | .06380 | .00987 | .00201 | .00970 | -.02100 | .17400 | .05877 |
| .200 | 4.090 | .16170 | .01420 | .08240 | .16230 | .00267 | .00220 | .00970 | -.02100 | .46500 | .05711 |
| .200 | 6.140 | .26480 | .01840 | .08360 | .26530 | -.01006 | .00310 | .01040 | -.02300 | .53600 | .05737 |
| .200 | 8.210 | .37110 | .02930 | .08340 | .37150 | -.02396 | .00300 | .01000 | -.01900 | .56900 | .05691 |
| .200 | 10.270 | .47620 | .04290 | .08640 | .47620 | -.04267 | .00290 | .00940 | -.01800 | .58500 | .05897 |
| .200 | 12.350 | .58540 | .06540 | .08870 | .58680 | -.06140 | .00290 | .00840 | -.01600 | .59600 | .06226 |
| .200 | 14.390 | .70310 | .10070 | .08690 | .70610 | -.07718 | .00310 | .00870 | -.01500 | .60600 | .06439 |
| .200 | 16.450 | .82040 | .15210 | .08450 | .82990 | -.08643 | .00440 | .01080 | -.01600 | .61400 | .07012 |
| .200 | 18.530 | .93080 | .20940 | .08140 | .94890 | -.09775 | .00730 | .01210 | -.02000 | .62000 | .07545 |
| .200 | 20.580 | 1.03990 | .27730 | .08000 | 1.07100 | -.10609 | .00520 | .00700 | -.01500 | .62400 | .08045 |
| .200 | 22.640 | 1.13160 | .34580 | .08430 | 1.17750 | -.11648 | .00430 | .00590 | -.01100 | .62500 | .08422 |
| .200 | 24.700 | 1.19840 | .41810 | .09220 | 1.26340 | -.12107 | .00260 | .00760 | -.00900 | .62500 | .09442 |
| .200 | 26.720 | 1.19010 | .46740 | .11980 | 1.27320 | -.11775 | .00140 | .00700 | -.00800 | .61700 | .10547 |
| .200 | 28.730 | 1.07260 | .47700 | .17140 | 1.17460 | -.09996 | .00340 | .00420 | -.01070 | .59800 | .12257 |
| .200 | 30.740 | 1.02210 | .50160 | .18850 | 1.13490 | -.09144 | .00350 | .00580 | -.01630 | .59100 | .13195 |
| | GRADIENT | .04622 | -.00188 | .00077 | .04618 | -.00137 | .00007 | .00004 | .00015 | -.12554 | -.00035 |

OA86 B26C9 M7F8 W116E26V8R5X9+STG (RC=314) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .0 0 BDFLAP = -12.000
ELEVON = .0 0 AILRON = .000
RUDDER = .0 0 SPOBRK = 25.000

RUN NO. 314/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.23640 | .03140 | .09450 | -.23810 | .01433 | .00180 | .01000 | -.02500 | 798[illegible] | [illegible]835 |
| .200 | -2.070 | -.13530 | .01970 | .10010 | -.15450 | .01416 | .00170 | .00900 | -.02300 | .9[illegible]000 | .66[illegible]42 |
| .200 | -1.040 | -.10550 | .01590 | .10120 | -.10580 | .01405 | .00180 | .00870 | -.02300 | 1.0[illegible]40[illegible] | .65755 |
| .200 | -.510 | -.08080 | .01390 | .10220 | -.08080 | .01395 | .00180 | .00860 | -.02200 | 1.07000 | .66642 |
| .200 | 1.010 | -.01150 | .01250 | .10240 | -.01150 | .01277 | .00200 | .00840 | -.02400 | 3.08500 | .76653 |
| .200 | 2.020 | .03900 | .01150 | .10320 | .03940 | .01019 | .00200 | .00860 | -.02200 | -.31100 | .07527 |
| .200 | 4.060 | .13720 | .01060 | .10440 | .13760 | .00934 | .00220 | .00870 | -.02100 | .77[illegible]0 | .07543 |
| .200 | 6.140 | .23850 | .01570 | .10580 | .23880 | -.00989 | .00260 | .00[illegible] | -.02[illegible] | .48[illegible] | .16367 |
| .200 | 8.210 | .34320 | .02620 | .10580 | .34340 | -.02304 | .00360 | .01030 | -.02330 | .53900 | .06212 |
| .200 | 10.260 | .44880 | .03940 | .10740 | .44860 | -.04124 | .00[illegible] | .00940 | -.01800 | 56400 | .16265 |
| .200 | 12.310 | .55650 | .06150 | .10870 | .55680 | .05862 | .00290 | .00[illegible] | -.01700 | .58000 | .06151 |
| .200 | 14.380 | .67330 | .09530 | .10830 | .67390 | -.07486 | .00340 | .00860 | -.01500 | .59300 | .06672 |
| .200 | 16.440 | .78690 | .14120 | .10780 | .79360 | -.08701 | .00330 | .01070 | -.01[illegible]0 | .60250 | .[illegible]6969 |
| .200 | 18.510 | .90640 | .20820 | .09890 | .92620 | -.09045 | .00790 | .01[illegible]0 | -.02100 | .61200 | .07311 |
| .200 | 20.570 | 1.01390 | .27950 | .10110 | 1.04430 | -.10327 | .00570 | .[illegible]760 | -.01400 | .61600 | .07915 |
| .200 | 22.620 | 1.10940 | .33500 | .10650 | 1.14320 | -.11589 | .00520 | .[illegible]570 | -.01300 | .61700 | .08323 |
| .200 | 24.680 | 1.16450 | .40510 | .11452 | 1.22730 | -.11821 | .00270 | .[illegible]760 | -.01000 | 61700 | .[illegible]9143 |
| .200 | 26.720 | 1.15750 | .44880 | .14110 | 1.23571 | -.11976 | .00200 | .01610 | -.00[illegible]0 | .61[illegible]0 | .1[illegible]32 |
| .200 | 28.710 | 1.01750 | .45040 | .20210 | 1.1[illegible]80 | -.09377 | .00[illegible]0 | -.00620 | -.00[illegible]0 | .58500 | .12[illegible]4 |
| .200 | 30.750 | .97230 | .47420 | .22040 | 1.07810 | -.08970 | .00260 | .00420 | -.01100 | .57600 | .13076 |
| | GRADIENT | .04583 | -.00239 | .00109 | .04[illegible]9 | -.00146 | .00[illegible]6 | .[illegible]0003 | .00039 | -.[illegible]2525 | -.[illegible]741 |

OA66 B24C9 M7F8 W116E26V8R3X9+STG (RDX315) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = -7.960 SPDBRK = 25.000

RUN NO. 315/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.24090 | .03080 | .09780 | -.24250 | .01332 | .01390 | .00160 | -.04700 | .80000 | .07006 |
| .200 | -2.080 | -.15590 | .02610 | .10180 | -.15660 | .01449 | .01360 | .00120 | -.04500 | .89110 | .07011 |
| .200 | -1.040 | -.10780 | .01543 | .10310 | -.10810 | .01351 | .01400 | .00280 | -.04900 | 1.00300 | .07094 |
| .200 | -.050 | -.05910 | .01533 | .10290 | -.05910 | .01528 | .01360 | .00260 | -.04600 | 1.29200 | .06634 |
| .200 | .990 | -.01290 | .01150 | .10420 | -.01270 | .01175 | .01320 | .00290 | -.04500 | 3.65800 | .06903 |
| .200 | 2.020 | .03500 | .01180 | .10490 | .03540 | .01058 | .01300 | .00340 | -.04470 | -.42900 | .06720 |
| .200 | 4.080 | .13420 | .00960 | .10720 | .13450 | .00203 | .01300 | .00250 | -.04200 | .35800 | .06878 |
| .200 | 6.140 | .23660 | .01670 | .11610 | .23710 | -.00865 | .01360 | .00360 | -.04300 | .48700 | .06467 |
| .200 | 8.200 | .34020 | .02680 | .13590 | .34160 | -.02196 | .01380 | .00420 | -.04200 | .53800 | .06265 |
| .200 | 10.250 | .44560 | .04040 | .16850 | .44560 | -.03953 | .01290 | .00290 | -.03700 | .56200 | .06347 |
| .200 | 12.300 | .55280 | .06240 | .21970 | .55340 | -.05685 | .01270 | .00230 | -.03700 | .57900 | .06384 |
| .200 | 14.370 | .67210 | .09750 | .31020 | .67530 | -.07235 | .01360 | .00250 | -.03600 | .59200 | .06614 |
| .200 | 16.440 | .78370 | .14130 | .41020 | .79170 | -.08629 | .01350 | .00460 | -.03400 | .60800 | .07070 |
| .200 | 18.510 | .90520 | .20850 | .10270 | .92460 | -.08970 | .01850 | .00560 | -.04200 | .61100 | .07507 |
| .200 | 20.560 | 1.00590 | .27120 | .10270 | 1.03710 | -.09948 | .01650 | .00360 | -.03800 | .61500 | .07321 |
| .200 | 22.620 | 1.09730 | .33180 | .11080 | 1.14050 | -.11594 | .01510 | -.00070 | -.03300 | .61600 | .08612 |
| .200 | 24.680 | 1.16020 | .40190 | .11700 | 1.22290 | -.11741 | .01350 | .00060 | -.02900 | .61600 | .09417 |
| .200 | 26.710 | 1.15690 | .45240 | .14530 | 1.23680 | -.11601 | .01260 | .00000 | -.03000 | .60800 | .10609 |
| .200 | 28.730 | 1.10230 | .47190 | .19120 | 1.17590 | -.10655 | .01240 | .00150 | -.04970 | .59200 | .12023 |
| .200 | 30.730 | .97410 | .48150 | .21940 | 1.04340 | -.08385 | .01240 | .00150 | -.03500 | .57700 | .12906 |
| | GRADIENT | .04590 | -.00245 | .00100 | .04614 | -.00146 | -.00013 | .00023 | .00056 | -.04116 | -.00130 |

0486 B26C9 M7F8 W116E26VF5X9+STING (RDX316) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.246 INCHES YMRP = .0000 INCHES
BREF = 37.9871 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 40.000

RUN NO. 316/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.120 | -.25160 | .04030 | .11660 | -.25390 | .02211 | .00150 | .02930 | .02300 | .82400 | .04732 |
| .200 | -2.060 | -.17190 | .03060 | .12470 | -.17260 | .02448 | .00070 | .05720 | -.01900 | .91800 | .03453 |
| .200 | -1.040 | -.12390 | .02660 | .12620 | -.12443 | .02441 | .00100 | .05820 | -.02000 | 1.02500 | .03347 |
| .200 | - .020 | -.07650 | .02440 | .12670 | -.07660 | .02458 | .00120 | .05910 | -.02300 | 1.26100 | .03254 |
| .200 | 1.000 | -.02880 | .02260 | .12720 | -.02843 | .02314 | .00120 | .05990 | -.02100 | 2.29700 | .03138 |
| .200 | 2.040 | .02120 | .02010 | .12620 | .02190 | .01940 | .00120 | .06060 | -.01900 | -1.49300 | .02832 |
| .200 | 4.080 | .11950 | .02200 | .12760 | .12080 | .01343 | .00140 | .06080 | -.01800 | .76300 | .01874 |
| .200 | 6.150 | .22010 | .02620 | .12850 | .22170 | .00249 | .00220 | .06090 | -.01900 | .43800 | .01607 |
| .200 | 8.200 | .32610 | .03600 | .12880 | .32790 | -.01087 | .00260 | .06090 | -.01900 | .50700 | .01449 |
| .200 | 10.260 | .42540 | .04990 | .13020 | .42740 | -.02666 | .00250 | .06080 | -.01700 | .54000 | .01237 |
| .200 | 12.330 | .53600 | .07180 | .13260 | .53900 | -.04437 | .00250 | .06040 | -.01600 | .56100 | .01330 |
| .200 | 14.400 | .65440 | .10490 | .13270 | .66000 | -.06115 | .00250 | .06060 | -.01300 | .57800 | .01654 |
| .200 | 16.440 | .76580 | .14640 | .12040 | .77490 | -.07641 | .00250 | .06030 | -.01200 | .59600 | .02173 |
| .200 | 18.600 | .89210 | .21470 | .12030 | .91400 | -.08118 | .00250 | .06150 | -.01800 | .60300 | .03372 |
| .200 | 20.580 | .96800 | .27790 | .11900 | 1.02260 | -.08714 | .00250 | .06150 | -.01330 | .60300 | .03553 |
| .200 | 22.630 | 1.07750 | .33980 | .12620 | 1.12510 | -.10086 | .00430 | .06460 | -.01100 | .61000 | .03994 |
| .200 | 24.690 | 1.13820 | .41110 | .13370 | 1.20590 | -.10191 | .00250 | .06640 | -.00790 | .61100 | .04758 |
| .200 | 26.720 | 1.14220 | .46250 | .15960 | 1.22820 | -.10068 | .00150 | .07560 | -.00660 | .62400 | .05814 |
| .200 | 28.700 | .99980 | .45930 | .21540 | 1.09750 | -.07733 | -.00250 | .08470 | -.00300 | .57100 | .11852 |
| .200 | 30.740 | .95270 | .44630 | .23610 | 1.06750 | -.06906 | .00290 | .08410 | -.00100 | 57[illegible] | .12782 |
| | GRADIENT | .04563 | -.00228 | .01[illegible]2 | .04606 | -.0031.[illegible] | .00002 | .00006 | .00044 | -.13525 | -.00[illegible]5 |

C-F



OA86 B26C9 M7F8 W116E26V8R5X9+STING (RDX317) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 85.000

RUN NO. 317/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 8.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.27880 | .06130 | .16540 | -.28250 | .04104 | .00180 | .00940 | -.02600 | .86700 | .10812 |
| .200 | -2.090 | -.19780 | .04880 | .17080 | -.19940 | .04161 | .00140 | .00800 | -.02300 | .96700 | .10751 |
| .200 | -1.060 | -.15610 | .04750 | .17100 | -.15690 | .04464 | .00130 | .00860 | -.02300 | 1.05300 | .10279 |
| .200 | -.030 | -.10270 | .04220 | .17140 | -.10280 | .04215 | .00150 | .00890 | -.02400 | 1.26500 | .10389 |
| .200 | .980 | -.05470 | .04270 | .17150 | -.05400 | .04370 | .00130 | .00940 | -.02300 | 1.82000 | .09957 |
| .200 | 2.010 | -.00530 | .03970 | .17180 | -.00390 | .03987 | .00180 | .01010 | -.02500 | 16.54400 | .09967 |
| .200 | 4.060 | .09120 | .03900 | .17120 | .09380 | .03250 | .00180 | .00930 | -.02200 | -.01900 | .09679 |
| .200 | 6.130 | .19090 | .04290 | .17120 | .19440 | .02227 | .00290 | .00970 | -.02400 | .32800 | .09277 |
| .200 | 8.180 | .29450 | .05020 | .17160 | .29860 | .00783 | .00350 | .01020 | -.02400 | .44000 | .09203 |
| .200 | 10.250 | .39800 | .06380 | .17210 | .40300 | -.00799 | .00310 | .00950 | -.02100 | .49400 | .08886 |
| .200 | 12.310 | .49710 | .07970 | .17560 | .50270 | -.02807 | .00300 | .00830 | -.01900 | .52300 | .09138 |
| .200 | 14.350 | .62010 | .11520 | .17230 | .62930 | -.04218 | .00330 | .00820 | -.01800 | .55100 | .09133 |
| .200 | 16.420 | .73870 | .15600 | .17360 | .75260 | -.05925 | .00330 | .01040 | -.01600 | .56700 | .09709 |
| .200 | 18.490 | .85350 | .22120 | .16540 | .87960 | -.06096 | .00720 | .01170 | -.02000 | .58200 | .09686 |
| .200 | 20.550 | .95850 | .28570 | .16540 | .99780 | -.06896 | .00540 | .00660 | -.01400 | .59100 | .09889 |
| .200 | 22.600 | 1.04250 | .34650 | .17190 | 1.09560 | -.08092 | .00500 | .00580 | -.01400 | .59400 | .10137 |
| .200 | 24.670 | 1.10640 | .42030 | .17760 | 1.18080 | -.07990 | .00210 | .00710 | -.01000 | .59600 | .10481 |
| .200 | 26.690 | 1.10330 | .46740 | .20240 | 1.19570 | -.07803 | .00180 | .00660 | -.00900 | .58900 | .11107 |
| .200 | 28.710 | 1.03980 | .49370 | .24900 | 1.14910 | -.06662 | .00270 | .00410 | -.00800 | .57200 | .12547 |
| .200 | 30.720 | .92130 | .49400 | .27950 | 1.04440 | -.04608 | .00270 | .00480 | -.01000 | .55300 | .12654 |
| | GRADIENT | .04569 | -.00261 | .00060 | .04645 | -.00090 | .00002 | .00011 | .00028 | .65894 | -.00149 |

OA86 B26C9 M7F8 W116E26V8R5X9+STING (RDx318) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 318/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.24310 | .03080 | .09590 | -.24470 | .01322 | .00080 | .00910 | -.02200 | .79600 | .06748 |
| .200 | -2.090 | -.15780 | .02060 | .09930 | -.15850 | .01488 | .00020 | .00820 | -.02000 | .88200 | .06738 |
| .200 | -1.080 | -.10850 | .01660 | .10100 | -.10880 | .01463 | .00070 | .00960 | -.02300 | .99300 | .06742 |
| .200 | -.050 | -.06180 | .01470 | .10100 | -.06180 | .01473 | .00090 | .00960 | -.02300 | 1.25300 | .06677 |
| .200 | 1.000 | -.01270 | .01220 | .10170 | -.01250 | .01249 | .00070 | .00990 | -.02200 | 3.63500 | .06627 |
| .200 | 2.010 | .03550 | .01080 | .10320 | .03580 | .00961 | .00060 | .00970 | -.02000 | -.40600 | .06612 |
| .200 | 4.070 | .13620 | .01310 | .10320 | .13680 | .00345 | .00090 | .00970 | -.02000 | .37400 | .06229 |
| .200 | 6.120 | .23810 | .01780 | .10410 | .23870 | -.00768 | .00190 | .00997 | -.02000 | .49100 | .06210 |
| .200 | 8.190 | .34320 | .02700 | .10440 | .34350 | -.02214 | .00190 | .00980 | -.01800 | .54000 | .06121 |
| .200 | 10.250 | .44720 | .04060 | .10730 | .44730 | -.03961 | .00190 | .00950 | -.01700 | .56300 | .06167 |
| .200 | 12.310 | .55610 | .06330 | .10800 | .55680 | -.05673 | .00180 | .00840 | -.01500 | .58000 | .06171 |
| .200 | 14.370 | .67630 | .09640 | .10860 | .67910 | -.07443 | .00220 | .00860 | -.01500 | .59300 | .06563 |
| .200 | 16.420 | .78770 | .14250 | .10750 | .79590 | -.08605 | .00210 | .01080 | -.01300 | .60200 | .06747 |
| .200 | 18.500 | .90600 | .20790 | .09990 | .92510 | -.09038 | .00770 | .01165 | -.02100 | .61200 | .07225 |
| .200 | 20.560 | 1.01160 | .27160 | .09960 | 1.04250 | -.10102 | .00480 | .00640 | -.01400 | .61600 | .07617 |
| .200 | 22.610 | 1.09500 | .33420 | .10590 | 1.13930 | -.11255 | .00410 | .00590 | -.01200 | .61700 | .07920 |
| .200 | 24.680 | 1.16220 | .40570 | .11520 | 1.22540 | -.11661 | .00170 | .00740 | -.00800 | .61700 | .09116 |
| .200 | 26.710 | 1.16410 | .45540 | .12[illegible] | 1.24460 | -.11658 | .00070 | .00470 | -.00600 | .60900 | .10536 |
| .200 | 28.690 | 1.01820 | .45380 | .1[illegible] | 1.11110 | -.09082 | .00440 | -.00780 | -.00300 | .58600 | .11794 |
| .200 | 30.720 | .97850 | .48320 | .21780 | 1.08800 | -.08460 | .00270 | .00340 | -.01000 | .57800 | .12750 |
| | GRADIENT | .04644 | -.00220 | .00088 | .04670 | -.00120 | .00003 | .00013 | .00021 | -.03698 | -.00057 |

OA86 B26C9 M7F8 W116E26V8R5X9+STING (RDX319) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 10.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 319/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.080 | -.07180 | .01620 | .02360 | -.07270 | .01104 | -.00020 | .00670 | -.01800 | .77100 | .07787 |
| .200 | -2.030 | .02230 | .01300 | .02310 | .02190 | .01386 | .00000 | .00810 | -.02000 | .26200 | .07695 |
| .200 | -1.000 | .06980 | .01080 | .02430 | .06960 | .01205 | .00000 | .00850 | -.02100 | .52300 | .07845 |
| .200 | .030 | .11510 | .01230 | .02360 | .11510 | .01231 | .00000 | .00890 | -.02100 | .57650 | .07653 |
| .200 | 1.050 | .16780 | .01390 | .02430 | .16810 | .01081 | .00000 | .00830 | -.01800 | .59800 | .07609 |
| .200 | 2.080 | .21930 | .01500 | .02510 | .21970 | .00708 | .00030 | .00860 | -.01800 | .61000 | .07591 |
| .200 | 4.120 | .31350 | .02050 | .02780 | .31610 | -.00219 | .00070 | .00880 | -.01600 | .61900 | .07544 |
| .200 | 6.190 | .41540 | .03160 | .02860 | .41630 | -.01336 | .00060 | .00850 | -.01500 | .62600 | .07228 |
| .200 | 8.250 | .51530 | .04780 | .02880 | .51680 | -.02659 | .00080 | .00750 | -.01500 | .63100 | .06991 |
| .200 | 10.300 | .62580 | .06750 | .02990 | .62780 | -.04552 | .00130 | .00720 | -.01500 | .63400 | .07187 |
| .200 | 12.360 | .73700 | .09750 | .02830 | .74080 | -.06252 | .00080 | .00660 | -.01100 | .63800 | .07059 |
| .200 | 14.440 | .85880 | .14010 | .02620 | .86660 | -.07852 | .00240 | .00790 | -.01400 | .64100 | .07407 |
| .200 | 16.500 | .96700 | .20260 | .02200 | .98480 | -.08039 | .00670 | .01300 | -.02200 | .64300 | .07892 |
| .200 | 18.550 | 1.07920 | .26590 | .02010 | 1.10770 | -.09135 | .00820 | .00970 | -.02000 | .64500 | .08159 |
| .200 | 20.620 | 1.17730 | .33760 | .02030 | 1.22070 | -.09873 | .00370 | .00330 | -.01200 | .64600 | .08799 |
| .200 | 22.660 | 1.25450 | .40780 | .02860 | 1.31480 | -.10711 | .00370 | .00580 | -.01000 | .64400 | .09311 |
| .200 | 24.710 | 1.27370 | .46360 | .05460 | 1.35090 | -.11150 | .00250 | .00740 | -.01000 | .63700 | .10489 |
| .200 | 26.730 | 1.23010 | .49190 | .10570 | 1.31990 | -.11407 | .00280 | .01150 | -.02000 | .62200 | .12545 |
| .200 | 28.710 | 1.07450 | .48960 | .16480 | 1.17770 | -.08686 | .00480 | -.00280 | -.00700 | .60000 | .13645 |
| .200 | 30.740 | 1.05360 | .52640 | .17410 | 1.17470 | -.08626 | .00400 | .00460 | -.01600 | .59700 | .14513 |
| | GRADIENT | .04739 | .00056 | .00048 | .04758 | -.00157 | .00010 | .00021 | .00035 | .00379 | -.00033 |

CA66 B26C9 M7F8 W116E26V8R5X9+STING (PC/325) ( 8 JAN 74 )

REFERENCE DATA

| | | | | | |
|---|---|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES | | |
| LREF = | 19.2480 INCHES | YMRP = | .0000 INCHES | | |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES | | |
| SCALE = | .0405 SCALE | | | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | 10.000 |
| RUDDER = | .000 | SPOBRK = | 25.000 |

RUN NO. 320/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 8.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CA0 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.25200 | .03580 | .09790 | -.25390 | .01753 | .01200 | .03980 | -.05300 | .7945 | .07000 |
| .200 | -2.090 | -.15990 | .02570 | .09940 | -.15640 | .01993 | .01250 | .04150 | -.05900 | .6791 | .07122 |
| .200 | -1.090 | -.11220 | .02360 | .09960 | -.11260 | .02157 | .01300 | .04240 | -.06100 | .9775 | .06612 |
| .200 | -.090 | -.06150 | .02010 | .10160 | -.06150 | .02416 | .01210 | .04250 | -.05900 | 1.2540 | .06481 |
| .200 | .990 | -.01150 | .01760 | .10230 | -.01110 | .01783 | .01310 | .04200 | -.06000 | 4.0116 | .06446 |
| .200 | 2.020 | .03870 | .01690 | .10200 | .03920 | .01557 | .01290 | .04230 | -.06000 | -.3315 | .06756 |
| .200 | 4.070 | .13660 | .01750 | .10390 | .13750 | .00729 | .01330 | .04340 | -.06100 | .3747 | .06639 |
| .200 | 6.140 | .23290 | .02270 | .10520 | .23400 | -.00196 | .01280 | .04290 | -.05900 | .4667 | .06331 |
| .200 | 8.190 | .33450 | .03460 | .10730 | .33550 | -.01731 | .01300 | .04210 | -.05900 | .5340 | .06429 |
| .200 | 10.250 | .44090 | .04520 | .10840 | .44190 | -.03334 | .01340 | .04170 | -.05900 | .5617 | .06407 |
| .200 | 12.310 | .55470 | .06020 | .11060 | .55650 | -.05164 | .01470 | .04220 | -.06400 | .5804 | .06526 |
| .200 | 14.370 | .66720 | .08260 | .10690 | .67160 | -.06612 | .01550 | .04310 | -.06300 | .5920 | .06579 |
| .200 | 16.430 | .78120 | .11520 | .10890 | .78340 | -.08168 | .01720 | .04330 | -.06500 | .6105 | .07166 |
| .200 | 18.500 | .90210 | .15610 | .10390 | .92050 | -.09072 | .01640 | .04420 | -.06600 | .6110 | .07215 |
| .200 | 20.560 | .99760 | .26860 | .10740 | 1.02640 | -.09661 | .01210 | .03900 | -.05100 | .6130 | .06547 |
| .200 | 22.610 | 1.08130 | .33310 | .11320 | 1.12620 | -.11483 | .01640 | .03790 | -.04300 | .6155 | .07973 |
| .200 | 24.660 | 1.14930 | .39660 | .12530 | 1.21770 | -.11920 | .02470 | .03470 | -.02800 | .6140 | .11741 |
| .200 | 26.710 | 1.14880 | .44570 | .15400 | 1.22660 | -.11618 | .04320 | .02560 | -.01500 | .6165 | .11514 |
| .200 | 28.680 | 1.01600 | .44650 | .20990 | 1.11570 | -.09595 | .00470 | .01420 | .00100 | .5462 | .13174 |
| .200 | 30.720 | .97170 | .46640 | .22540 | 1.06720 | -.08348 | .00550 | .01390 | .00000 | .5750 | .13265 |
| | GRADIENT | .04762 | -.02229 | .00174 | .04736 | -.00124 | .00014 | .00141 | -.00251 | -.12345 | -.00145 |

0A86 B26C9 M7F8 W116E26V8R5X9+STING (RDX321) ( 08 JAN 74 )

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2460 INCHES | YMRP = | .0000 INCHES |
| BREF = | 37.9671 INCHES | ZMRP = | 15.1875 INCHES |
| SCALE = | .0405 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .000 | BDFLAP = | -12.000 |
| ELEVON = | .000 | AILRON = | -10.000 |
| RUDDER = | .000 | SPDBRK = | 25.000 |

RUN NO. 321/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.140 | -.24940 | .03650 | .09850 | -.25130 | .01839 | -.01250 | -.02590 | .01500 | .79600 | .07021 |
| .200 | -2.090 | -.16140 | .02690 | .10030 | -.16230 | .02099 | -.01220 | -.02510 | .01200 | .87900 | .06632 |
| .200 | -1.040 | -.11610 | .02330 | .10150 | -.11650 | .02120 | -.01220 | -.02520 | .01400 | .97200 | .06810 |
| .200 | -.020 | -.06930 | .02240 | .10070 | -.06930 | .02240 | -.01260 | -.02550 | .01600 | 1.18700 | .06645 |
| .200 | .990 | .01400 | .01870 | .10160 | -.01370 | .01902 | -.01260 | -.02560 | .01800 | 3.37800 | .06701 |
| .200 | 2.020 | .03860 | .01790 | .10180 | .03920 | .01653 | -.01270 | -.02555 | .01900 | -.30100 | .06778 |
| .200 | 4.070 | .13450 | .01880 | .10400 | .13550 | .00926 | -.01160 | -.02540 | .02150 | .36900 | .06583 |
| .200 | 6.140 | .23400 | .02490 | .10520 | .23530 | -.00022 | -.01190 | -.02580 | .02400 | .48700 | .06200 |
| .200 | 8.190 | .33950 | .03230 | .10550 | .34060 | -.01637 | -.01160 | -.02580 | .02700 | .53800 | .06287 |
| .200 | 10.240 | .44400 | .04670 | .10700 | .44520 | -.03302 | -.01100 | -.02600 | .02900 | .56300 | .06357 |
| .200 | 12.310 | .55530 | .06700 | .10900 | .55690 | -.05292 | -.01230 | -.02700 | .03400 | .58000 | .06647 |
| .200 | 14.370 | .67090 | .10060 | .10900 | .67480 | -.06911 | -.01230 | -.02750 | .03500 | .59200 | .06830 |
| .200 | 16.420 | .77820 | .15010 | .11060 | .78890 | -.07604 | -.00600 | -.02360 | .02600 | .60000 | .07592 |
| .200 | 18.500 | .90320 | .20910 | .10580 | .92290 | -.08834 | -.00370 | -.02230 | .02300 | .60900 | .08213 |
| .200 | 20.560 | 1.00860 | .26920 | .10640 | 1.03890 | -.10221 | -.00280 | -.02650 | .02400 | .61400 | .08988 |
| .200 | 22.610 | 1.07390 | .32930 | .11590 | 1.11800 | -.10885 | -.00220 | -.02750 | .02200 | .61300 | .09178 |
| .200 | 24.680 | 1.13090 | .39410 | .12600 | 1.19220 | - 11406 | -.00110 | -.02090 | .01300 | .61390 | .10032 |
| .200 | 26.750 | 1.14470 | .44060 | .15900 | 1.22060 | -.12076 | -.00080 | -.01100 | -.00300 | .604 0 | .12145 |
| .200 | 28.710 | 1.06840 | .45840 | .20720 | 1.15730 | -.11133 | -.00220 | .00760 | -.02400 | .586 0 | .14146 |
| .200 | 30.720 | .97130 | .47430 | .22630 | 1.07730 | -.08848 | .00010 | -.00780 | -.01800 | .5740 | .13862 |
| | GRADIENT | .04728 | -.00217 | .00058 | .04764 | -.00110 | .00005 | .00002 | .00097 | -.0387 | -.00046 |

0486 B26C9 M7F8 W116E26V8R3X9+STING (RDX322) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0455 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 15.000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 322/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.030 | .02310 | .01510 | -.01700 | .02190 | .01669 | -.00050 | .00710 | -.01600 | .93800 | .08189 |
| .200 | -1.970 | .11800 | .01480 | -.01700 | .11740 | .01895 | .00030 | .00970 | -.02500 | .70500 | .08212 |
| .200 | -.940 | .16230 | .01700 | -.01640 | .16200 | .01977 | -.00010 | .00850 | -.02000 | .66900 | .08041 |
| .200 | .070 | .20720 | .01850 | -.01460 | .20720 | .01827 | -.00010 | .00870 | -.01900 | .67800 | .08135 |
| .200 | 1.100 | .25500 | .02290 | -.01360 | .25540 | .01807 | -.00020 | .00830 | -.0180 | .67100 | .07819 |
| .200 | 2.120 | .30100 | .02640 | -.01300 | .30170 | .01523 | .00010 | .00780 | -.01800 | .66400 | .07652 |
| .200 | 4.170 | .39630 | .03310 | -.00820 | .39760 | .00421 | .00070 | .00780 | -.01700 | .65500 | .07724 |
| .200 | 6.240 | .48920 | .04820 | -.00710 | .49160 | -.00529 | .00040 | .00740 | -.01500 | .65700 | .07239 |
| .200 | 8.290 | .59490 | .06440 | -.00550 | .59790 | -.02207 | .00060 | .00660 | -.01400 | .65500 | .07430 |
| .200 | 10.340 | .70100 | .09140 | -.00670 | .70610 | -.03588 | .00330 | .00780 | -.01900 | .65500 | .07305 |
| .200 | 12.420 | .83400 | .12430 | -.01310 | .84120 | -.05802 | .00140 | .00680 | -.01300 | .65700 | .07426 |
| .200 | 14.470 | .95220 | .17120 | -.01620 | .96480 | -.07228 | .00287 | .00830 | -.01500 | .65800 | .07734 |
| .200 | 16.530 | 1.05600 | .23780 | -.01790 | 1.08020 | -.07263 | .00860 | .01340 | -.02600 | .65800 | .08377 |
| .200 | 18.600 | 1.16070 | .30990 | -.01970 | 1.19890 | -.07649 | .00470 | .01530 | -.01300 | .65800 | .08753 |
| .200 | 20.650 | 1.26000 | .38160 | -.02050 | 1.31360 | -.08733 | .00240 | .01220 | -.00800 | .65700 | .09542 |
| .200 | 22.700 | 1.31680 | .44330 | -.00030 | 1.38590 | -.09937 | .00430 | .00660 | -.01700 | .65200 | .10101 |
| .200 | 24.730 | 1.29810 | .48740 | .03960 | 1.38290 | -.10052 | .00410 | .00210 | -.00700 | .64100 | .11414 |
| .200 | 26.730 | 1.18790 | .49410 | .10420 | 1.28320 | -.09310 | .00160 | -.00540 | .00000 | .62200 | .13196 |
| .200 | 28.710 | 1.05710 | .50110 | .14720 | 1.17660 | -.07515 | .00780 | -.00270 | -.01110 | .60600 | .14189 |
| .200 | 30.770 | 1.07360 | .55170 | .14990 | 1.20470 | -.07520 | .00410 | .01270 | -.01170 | .60600 | .14789 |
| | GRADIENT | .04536 | .05235 | .00107 | .04567 | -.00137 | .00010 | -.00003 | .01028 | -.02812 | -.03074 |

0A86 B26C9 M7F8 W116E26V8R5X9+STING (RDX323) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .1405 SCALE

PARAMETRIC DATA

BETA = .000 BOFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPOBRK = 25.000

RUN NO. 323/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.110 | -.15990 | .02470 | .06090 | -.16130 | .01326 | -.00040 | .00670 | -.01600 | .79100 | .07062 |
| .200 | -2.060 | -.07650 | .01540 | .06680 | -.07700 | .01271 | .00020 | .00770 | -.02000 | .97100 | .07245 |
| .200 | -1.030 | -.02650 | .01450 | .06620 | -.02670 | .01404 | .00020 | .00790 | -.01800 | 1.56300 | .06969 |
| .200 | .000 | .02150 | .01220 | .06700 | .02150 | .01223 | .00050 | .00880 | -.02100 | -.49000 | .07106 |
| .200 | 1.020 | .06830 | .01220 | .06620 | .06860 | .01101 | .00060 | .00890 | -.02000 | .29600 | .06998 |
| .200 | 2.060 | .12370 | .01300 | .06600 | .12410 | .00855 | .00110 | .00930 | -.02000 | .45600 | .06821 |
| .200 | 4.100 | .22420 | .01560 | .06700 | .22480 | -.00043 | .00090 | .00890 | -.01800 | .54200 | .06795 |
| .200 | 6.160 | .32750 | .02340 | .06550 | .32800 | -.01189 | .00080 | .00810 | -.01500 | .57800 | .06644 |
| .200 | 8.230 | .43000 | .03670 | .06660 | .43080 | -.02521 | .00100 | .00860 | -.01600 | .59500 | .06386 |
| .200 | 10.280 | .53470 | .05300 | .07030 | .53550 | -.04335 | .00120 | .00790 | -.01300 | .60300 | .06503 |
| .200 | 12.330 | .64530 | .07680 | .07200 | .64690 | -.06284 | .00130 | .00750 | -.01400 | .61100 | .06811 |
| .200 | 14.400 | .76270 | .11760 | .06990 | .76800 | -.07580 | .00150 | .00800 | -.01200 | .61800 | .06696 |
| .200 | 16.460 | .87770 | .17590 | .06610 | .89160 | -.08005 | .00560 | .01180 | -.01900 | .62400 | .07152 |
| .200 | 18.520 | .99030 | .23730 | .06310 | 1.01440 | -.08965 | .00770 | .00940 | -.02000 | .62900 | .07547 |
| .200 | 20.590 | 1.09940 | .30280 | .06110 | 1.13770 | -.09770 | .00400 | .00290 | -.01000 | .63200 | .08221 |
| .200 | 22.660 | 1.17550 | .37250 | .06950 | 1.22870 | -.10832 | .00240 | .00260 | -.00500 | .63100 | .08483 |
| .200 | 24.690 | 1.21150 | .43610 | .08700 | 1.28290 | -.10994 | .00220 | .00330 | -.00700 | .62700 | .09782 |
| .200 | 26.740 | 1.20070 | .48020 | .11960 | 1.28840 | -.11147 | -.00020 | .00280 | -.00400 | .61700 | .11298 |
| .200 | 28.690 | 1.09890 | .46180 | .18750 | 1.19680 | -.07932 | .00810 | -.00440 | -.01100 | .58900 | .12512 |
| .200 | 30.730 | 1.00360 | .50230 | .19160 | 1.11970 | -.06060 | .00410 | .00280 | -.01200 | .58900 | .13436 |
| | GRADIENT | .04710 | -.00101 | .00053 | .04734 | -.00153 | .00017 | .00130 | -.00023 | -.07645 | -.00044 |

OA86 826C9 M7F8 W116E26V8R5X9+STING (RDX324) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = 5.000 AILRON = .000
RUDDER = .000 SPOBRK = .000

RUN NO. 324/ 0 RN/L = 1.42 GRADIENT INTERVAL = -8.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.090 | -.15570 | .01730 | .05180 | -.15650 | .00614 | .00010 | .00640 | -.01900 | .77400 | .06555 |
| .200 | -2.050 | -.06810 | .01020 | .05490 | -.06850 | .00778 | .00090 | .00780 | -.02100 | .94700 | .06528 |
| .200 | -1.020 | -.02080 | .00350 | .05510 | -.02100 | .00821 | .00100 | .00790 | -.02100 | 1.61600 | .06515 |
| .200 | .000 | .02810 | .00860 | .05500 | .02810 | .00860 | .00140 | .00860 | -.02200 | -.06700 | .06547 |
| .200 | 1.020 | .07630 | .00710 | .05600 | .07640 | .00574 | .00130 | .00860 | -.02100 | .38200 | .06639 |
| .200 | 2.050 | .12930 | .00510 | .05760 | .12940 | .00049 | .00120 | .00890 | -.02150 | .48800 | .06564 |
| .200 | 4.100 | .22680 | .01020 | .05940 | .22690 | -.00539 | .00210 | .00980 | -.02200 | .55500 | .06518 |
| .200 | 6.180 | .32750 | .01780 | .05970 | .32750 | -.01755 | .00190 | .00920 | -.01900 | .58500 | .06146 |
| .200 | 8.230 | .43430 | .02980 | .06150 | .43410 | -.03272 | .00180 | .00910 | -.01600 | .60000 | .06144 |
| .200 | 10.290 | .53460 | .04720 | .06450 | .53440 | -.04911 | .00160 | .00870 | -.01500 | .60700 | .05998 |
| .200 | 12.340 | .64710 | .07390 | .06480 | .64890 | -.06612 | .00140 | .00730 | -.01300 | .61500 | .06147 |
| .200 | 14.420 | .76990 | .11230 | .06290 | .77360 | -.08305 | .00210 | .00730 | -.01400 | .62200 | .06510 |
| .200 | 16.470 | .88070 | .16730 | .05990 | .89250 | -.08932 | .00570 | .01140 | -.01800 | .62700 | .06943 |
| .200 | 18.530 | .99890 | .23310 | .05490 | 1.02120 | -.09655 | .00840 | .01350 | -.02100 | .63200 | .07136 |
| .200 | 20.620 | 1.10350 | .30200 | .05330 | 1.13920 | -.10592 | .00450 | .01300 | -.01100 | .63400 | .07873 |
| .200 | 22.660 | 1.18490 | .36790 | .06240 | 1.23520 | -.11708 | .00370 | .01380 | -.00700 | .63300 | .08474 |
| .200 | 24.710 | 1.22580 | .43260 | .07880 | 1.29440 | -.11949 | .00250 | .00280 | -.00550 | .62900 | .09581 |
| .200 | 26.720 | 1.19740 | .46920 | .11780 | 1.28050 | -.11939 | .00180 | .00640 | -.00800 | .61800 | .11328 |
| .200 | 28.700 | 1.03160 | .45970 | .17530 | 1.12560 | -.09229 | .00820 | -.01325 | -.00600 | .59400 | .12948 |
| .200 | 30.740 | 1.01450 | .49960 | .18470 | 1.12730 | -.08818 | .00420 | .00160 | -.00900 | .59100 | .13566 |
| | GRADIENT | .04702 | -.00093 | .00085 | .04714 | -.00153 | .00021 | .00038 | -.00028 | -.07134 | -.01124 |

OA86 B26C9 M7F8 W116E26V8R5X9+STING (RDX325) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 BDFLAP = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = .000

RUN NO. 325/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.130 | -.24860 | .02630 | .08920 | -.24980 | .00832 | -.00030 | .00420 | -.01600 | .78300 | .05995 |
| .200 | -2.070 | -.15580 | .01630 | .09000 | -.15630 | .01066 | .00070 | .00720 | -.02230 | .86400 | .06096 |
| .200 | -1.050 | -.10600 | .01350 | .09240 | -.10620 | .01159 | .00120 | .00760 | -.02400 | .97200 | .05954 |
| .200 | -.010 | -.05770 | .01060 | .09220 | -.05780 | .01065 | .00100 | .00780 | -.02200 | 1.23900 | .05939 |
| .200 | .990 | -.01040 | .00840 | .09380 | -.01020 | .00865 | .00110 | .00830 | -.02300 | 4.01900 | .06007 |
| .200 | 2.020 | .04090 | .00740 | .09450 | .04110 | .00600 | .00130 | .00870 | -.02200 | -.19200 | .05902 |
| .200 | 4.070 | .13890 | .00780 | .09590 | .13910 | -.00207 | .00160 | .00880 | -.02200 | .39800 | .05763 |
| .200 | 6.140 | .24200 | .01290 | .09690 | .24200 | -.01306 | .00220 | .00910 | -.02300 | .50400 | .05711 |
| .200 | 8.190 | .34950 | .02210 | .09770 | .34910 | -.02793 | .00280 | .00930 | -.02000 | .54900 | .05627 |
| .200 | 10.260 | .45250 | .03820 | .09940 | .45210 | -.04297 | .00280 | .00890 | -.01900 | .57100 | .05524 |
| .200 | 12.320 | .55970 | .05730 | .10230 | .55910 | -.06347 | .00270 | .00810 | -.01800 | .58400 | .05926 |
| .200 | 14.370 | .68[illegible] | .09610 | .[illegible] | .68420 | -.07612 | .00320 | .00790 | -.01700 | .59800 | .05912 |
| .200 | 16.440 | .79690 | .14110 | .09910 | .80420 | -.09012 | .00270 | .01040 | -.01400 | .60600 | .06369 |
| .200 | 18.510 | .91390 | .20730 | .09220 | .93240 | -.09355 | .00860 | .01020 | -.02300 | .61500 | .06814 |
| .200 | 20.570 | 1.03020 | .27510 | .09030 | 1.06120 | -.10436 | .00620 | .00500 | -.01600 | .62000 | .07398 |
| .200 | 22.620 | 1.10580 | .33610 | .09870 | 1.15010 | -.11515 | .00390 | .00410 | -.00900 | .62000 | .07883 |
| .200 | 24.670 | 1.16180 | .40390 | .10820 | 1.22430 | -.11799 | .00270 | .00400 | -.00800 | .61900 | .08093 |
| .200 | 26.720 | 1.16880 | .45630 | .13310 | 1.24910 | -.11804 | .00130 | .00460 | -.00700 | .61200 | .10275 |
| .200 | 28.680 | .99300 | .44010 | .19550 | 1.08230 | -.09054 | .01020 | -.00850 | -.00900 | .58500 | .12055 |
| .200 | 30.720 | .98430 | .48190 | .20200 | 1.09190 | -.08948 | .00490 | .00260 | -.01000 | .58400 | .12950 |
| | GRADIENT | .04740 | -.00225 | .00766 | .04757 | -.00125 | .00020 | .00051 | -.00054 | -.01445 | -.00029 |

OA86 B26C9 M7F8 W116E26V8R5X9+STG (RDX326) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2480 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 BDFLA = -12.000
ELEVON = .000 AILRON = .000
RUDDER = .000 SPDBRK = 25.000

RUN NO. 326 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.010 | .45590 | .02940 | .09530 | .45390 | -.03140 | -.02530 | .01910 | .19500 | .57400 | .07411 |
| .200 | -5.020 | .44430 | .03950 | .10330 | .44430 | -.01948 | -.01200 | .01510 | .08500 | .56600 | .06217 |
| .200 | .010 | .44250 | .03950 | .11030 | .44250 | -.[illegible] | .00000 | .[illegible]850 | -.[illegible] | .56[illegible] | .05940 |
| .200 | 5.000 | .44650 | .[illegible]280 | .11170 | .44460 | -.[illegible]39 | .00320 | -.[illegible]70 | -.[illegible] | .56[illegible] | .06231 |
| .200 | 10.[illegible]3 | .464[illegible] | .[illegible]1510 | .10510 | .45940 | -.[illegible]711 | .02330 | -.[illegible] | -.[illegible] | .567[illegible] | .[illegible]58 |
| | GRADIENT | .01[illegible]22 | -.[illegible]1107 | .00[illegible]77 | .[illegible] | -.[illegible]013 | .00212 | -.[illegible]15[illegible] | -.[illegible]16 | -.[illegible]61 | .[illegible]1 |

CA86 B51C9 W116E26V8R5X9+STR (RDX327) ( 08 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 RUDDER = .000
SPOBRK = .000

RUN NO. 327/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.020 | .50920 | .06640 | .03480 | .51290 | -.02462 | -.01820 | .02040 | .18500 | .62700 | .00000 |
| .200 | -5.030 | .50900 | .06880 | .04090 | .51310 | -.02222 | -.00990 | .01630 | .08700 | .62300 | .00000 |
| .200 | .000 | .51210 | .06670 | .04740 | .51580 | -.02485 | .00080 | .00780 | -.00930 | .61800 | .00000 |
| .200 | 5.010 | .50740 | .05910 | .04820 | .50990 | -.03152 | .01190 | -.00460 | -.09900 | .61700 | .00000 |
| .200 | 10.030 | .51490 | .05520 | .04200 | .51650 | -.03679 | .02170 | -.01490 | -.19300 | .62200 | .00000 |
| | GRADIENT | -.00016 | -.00097 | .00082 | -.00032 | -.00093 | .00217 | -.00208 | -.01653 | -.00060 | .00000 |

CA86 B51C9 W116E26V8R5X9+STR (RDX328) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
AILRON = .000 RUDDER = -7.961
SPOBRK = .000

RUN NO. 328/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | BETA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -10.030 | .51140 | .06650 | .03480 | .51510 | -.02493 | -.00620 | .01500 | .16300 | .62700 | .00000 |
| .200 | -5.040 | .50550 | .07030 | .04300 | .50980 | -.02014 | .00640 | .00920 | .05500 | .62100 | .00000 |
| .200 | .000 | .50900 | .06820 | .04820 | .51300 | -.02278 | .01860 | .00000 | -.04100 | .61700 | .00000 |
| .200 | 5.000 | .50900 | .06740 | .04870 | .51170 | -.03047 | .02880 | -.01230 | -.13100 | .61700 | .00000 |
| .200 | 10.020 | .51360 | .05660 | .04360 | .51500 | -.03469 | .03570 | -.01970 | -.22100 | .62000 | .00000 |
| | GRADIENT | .00637 | .00099 | .00057 | .00019 | -.00103 | .00223 | -.00214 | -.01853 | -.00040 | .00000 |

0A68 B51C9 W11&C26V8R5X9+STR R0X329) ( 04 APR 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.2460 INCHES YMRP = .0000 INCHES
BREF = 37.9671 INCHES ZMRP = 15.1875 INCHES
SCALE = .0405 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = .000
AILRON = .000 RUDDER = -7.960
SPDBRK = .000

RUN NO. 329/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .200 | -4.100 | -.17490 | .04660 | .02860 | -.17780 | .03403 | .01830 | -.00480 | -.05100 | .71100 | .00000 |
| .200 | -2.050 | -.08520 | .03950 | .03200 | -.08660 | .03643 | .02020 | -.00150 | -.05800 | .78800 | .00000 |
| .200 | -1.020 | -.03930 | .03590 | .03470 | -.04000 | .03527 | .02030 | -.00070 | -.05900 | .97100 | .00000 |
| .200 | .000 | .00970 | .03550 | .03580 | .00970 | .03550 | .02010 | -.00050 | -.05700 | -.70600 | .00000 |
| .200 | 1.020 | .05520 | .03470 | .03780 | .05580 | .03373 | .01990 | -.00020 | -.05600 | .40200 | .00000 |
| .200 | 2.050 | .10160 | .03420 | .04050 | .10280 | .03061 | .01950 | .00010 | -.05500 | .50700 | .00000 |
| .200 | 4.100 | .19980 | .03730 | .04270 | .20200 | .02294 | .01950 | .00040 | -.05400 | .57400 | .00000 |
| .200 | 6.170 | .29940 | .04430 | .04490 | .30240 | .01193 | .02010 | .00090 | -.05300 | .59700 | .00000 |
| .200 | 8.250 | .40090 | .05470 | .04530 | .40460 | -.00327 | .01980 | .00070 | -.04900 | .61000 | .00000 |
| .200 | 10.280 | .51170 | .07140 | .04680 | .51620 | -.02103 | .01950 | .00080 | -.04800 | .61800 | .00000 |
| .200 | 12.340 | .61500 | .09610 | .04840 | .62130 | -.03762 | .01960 | .00060 | -.04800 | .62300 | .00000 |
| .200 | 14.410 | .73890 | .13800 | .04410 | .75000 | -.05020 | .02050 | -.00020 | -.04800 | .63000 | .00000 |
| .200 | 16.470 | .85040 | .19290 | .03950 | .87020 | -.05615 | .02180 | .00240 | -.04900 | .63500 | .00000 |
| .200 | 18.530 | .95970 | .25940 | .03140 | .99240 | -.05931 | .02690 | .00240 | -.05100 | .64000 | .00000 |
| .200 | 20.600 | 1.06250 | .33120 | .02650 | 1.11120 | -.06378 | .02350 | -.00280 | -.04700 | .64300 | .00000 |
| .200 | 22.640 | 1.13930 | .39960 | .03120 | 1.20530 | -.06993 | .02080 | -.00420 | -.04000 | .64200 | .00000 |
| .200 | 24.700 | 1.18980 | .47420 | .03650 | 1.27910 | -.06634 | .02060 | -.00230 | -.04300 | .64100 | .00000 |
| .200 | 26.730 | 1.18050 | .53590 | .05750 | 1.29540 | -.05238 | .01950 | -.00150 | -.04400 | .63500 | .00000 |
| .200 | 28.710 | 1.03560 | .56410 | .09660 | 1.17930 | -.00275 | .02850 | -.01270 | -.04500 | .62100 | .00000 |
| .200 | 30.750 | 1.00840 | .61550 | .09750 | 1.16130 | .01335 | .02270 | -.00080 | -.05700 | .62100 | .00000 |
| | GRADIENT | .04570 | -.00114 | .00178 | .04632 | -.00134 | .00007 | .00057 | -.00007 | -.03695 | .00000 |

REFERENCE DATA

| | | | |
|---|---|---|---|
| SREF = | 4.4119 SQ.FT. | XMRP = | 43.5974 INCHES |
| LREF = | 19.2467 INCHES | YMRP = | .0000 INCHES |
| BLREF = | 37.9671 INCHES | ZMRP = | 35.1475 INCHES |
| SCALE = | .048 SCALE | | |

PARAMETRIC DATA

| | | | |
|---|---|---|---|
| BETA = | .0 | ELEVON = | .0000 |
| AILERON = | .0 | RUDDER = | .0 |
| SPOILER = | .0 | | |

RUN NO. 33 (  RN/L = 1.42  GRADIENT INTERVAL = -6.00  6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | BL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.12[illegible] | -.17410 | .0452[illegible] | .0278[illegible] | -.176[illegible] | .03264 | -.00140 | .[illegible] | -.1200 | .73[illegible] | .[illegible] |
| .2[illegible] | -2.[illegible] | -.0854[illegible] | .0377[illegible] | .0318[illegible] | -.086[illegible] | .3468 | .[illegible]46[illegible] | .[illegible] | -.2[illegible] | .70[illegible] | .[illegible] |
| .2[illegible] | -1.[illegible] | -.0373[illegible] | .0356[illegible] | .336[illegible] | -.037[illegible] | .3551 | .[illegible]11[illegible] | .[illegible] | -.23[illegible] | .69[illegible] | .[illegible] |
| .2[illegible] | .[illegible]2 | .0046[illegible] | .0344[illegible] | .34[illegible] | .0046[illegible] | .3444 | .[illegible]11[illegible] | .[illegible] | .[illegible]2[illegible] | -2.1[illegible] | .[illegible] |
| .2[illegible] | 1.[illegible]2 | .0491[illegible] | .0353[illegible] | .[illegible]33[illegible] | .0491[illegible] | .3568 | .[illegible]11[illegible] | .[illegible] | .[illegible]5 | .3[illegible] | .[illegible] |
| .2[illegible] | 2.[illegible]4 | .1040[illegible] | .0378[illegible] | .0[illegible]78 | .1[illegible]52 | .3[illegible]48 | .[illegible]11[illegible] | .[illegible] | -.[illegible]21[illegible] | .5[illegible] | .[illegible] |
| .2[illegible] | 4.[illegible]6 | .2[illegible]14[illegible] | .0[illegible]67[illegible] | .0[illegible]439[illegible] | .2[illegible]38[illegible] | .3[illegible]72 | .[illegible]13[illegible] | .[illegible] | -.[illegible] | .575[illegible] | .[illegible] |
| .2[illegible] | 6.15[illegible] | .3[illegible]32[illegible] | .0442[illegible] | .0[illegible]43[illegible] | .3[illegible] | .[illegible]3144 | .[illegible]2[illegible] | .[illegible] | -.[illegible]13[illegible] | .60[illegible] | .[illegible] |
| .2[illegible] | 8.2[illegible] | .4[illegible]578[illegible] | .0541[illegible] | .0[illegible]445[illegible] | .4[illegible] | -.[illegible] | .[illegible]2[illegible] | .[illegible]40[illegible] | -.[illegible]20[illegible] | .610[illegible] | .[illegible] |
| .2[illegible] | 10.2[illegible] | .[illegible]51[illegible] | .[illegible]07[illegible]5 | .[illegible]046[illegible] | .[illegible]51[illegible] | -.[illegible]3[illegible]5 | .[illegible]2[illegible] | .[illegible] | -.[illegible]19[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 12.32[illegible] | .6[illegible]25[illegible] | .[illegible]0963[illegible] | .[illegible]467[illegible] | .6[illegible] | -.[illegible]1 | .[illegible]2[illegible] | .[illegible] | -.[illegible]17[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 14.39[illegible] | .7[illegible]866[illegible] | .1[illegible]30[illegible] | .[illegible]432[illegible] | .7[illegible]4 | -.[illegible] | .[illegible]3[illegible]4 | .[illegible] | -.[illegible]17[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 16.44[illegible] | .8[illegible]48[illegible] | .[illegible]19[illegible]2 | .[illegible]3[illegible]4 | .8[illegible]62 | -.[illegible] | .[illegible]5[illegible] | .[illegible] | -.[illegible]13[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 18.51[illegible] | .9643[illegible] | .[illegible]4[illegible] | .[illegible][illegible] | .[illegible] | -.[illegible] | .[illegible]3[illegible] | .[illegible] | -.[illegible]2[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 2[illegible].5[illegible] | 1.[illegible]0[illegible]7[illegible] | .[illegible]35[illegible] | .[illegible]1[illegible] | .[illegible] | -.[illegible] | .[illegible]5[illegible] | .[illegible]2[illegible] | -.[illegible]14[illegible] | .[illegible]4[illegible] | .[illegible] |
| .2[illegible] | 22.65[illegible] | 1.[illegible]139[illegible] | .[illegible]4[illegible] | .[illegible]4[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible]11[illegible] | -.[illegible]7[illegible] | .[illegible]8[illegible] | .[illegible] |
| .2[illegible] | 24.68[illegible] | 1.[illegible] | .[illegible]47[illegible] | .[illegible]35[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible]6[illegible] | -.[illegible] | .[illegible]64[illegible] | .[illegible] |
| .2[illegible] | 26.71[illegible] | 1.[illegible] | .[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 28.7[illegible] | 1.[illegible]244[illegible] | .[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] |
| .2[illegible] | 3[illegible].73[illegible] | 1.[illegible] | .[illegible] | .[illegible] | .[illegible] | .[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] |
| | GRADIENT | .[illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | .[illegible] | .[illegible] | -.[illegible] | -.[illegible] | .[illegible] |

CM66 B51C9 W11BE26V8R5X9+STR 50X331 ( 10 JAN 74 )

REFERENCE DATA

SREF = 4.4119 SQ.FT. XMRP = 43.5974 INCHES
LREF = 19.246 INCHES YMRP = .0000 INCHES
BREF = 37.1671 INCHES ZMRP = 15.1675 INCHES
SCALE = .4 SCALE

PARAMETRIC DATA

BETA = .000 ELEVON = 5.0
AILERON = .0
SPOILER = .0

RUN NO. 331/ 0 RN/L = 1.42 GRADIENT INTERVAL = -6.00/ 6.00

| MACH | ALPHA | CL | CDF | CLM | CN | CAF | CYN | CBL | CY | XCP/L | CAB |
|---|---|---|---|---|---|---|---|---|---|---|---|
| .2[illegible] | -4.0[illegible] | -.0666[illegible] | .03950 | -.0113[illegible] | -.0894[illegible] | .03323 | -.00100 | .[illegible]490 | -.01400[illegible] | .6[illegible]500 | .0[illegible]000 |
| .2[illegible] | -2.[illegible]30 | .00120 | .[illegible]3460 | -.[illegible]182[illegible] | .0688[illegible]0 | .[illegible]3464 | .[illegible]0060 | .00780 | -.02100 | -7.733[illegible]0 | .[illegible]0[illegible]0 |
| .2[illegible] | -.99[illegible] | .[illegible]5[illegible]90 | .03360 | -.[illegible]466[illegible] | .[illegible]505[illegible] | .[illegible]3454 | .[illegible]0[illegible] | .[illegible]0[illegible] | -.[illegible]210[illegible] | .[illegible]501[illegible] | . |
| .2[illegible] | .[illegible]02[illegible] | .[illegible]9610 | .03390 | -.[illegible]0[illegible]58[illegible] | .09610 | .03389 | .00130 | .[illegible]0[illegible]30 | -.[illegible]022 | .6740[illegible] | .[illegible]0[illegible] |
| .2[illegible] | 1.[illegible]4[illegible] | .14290 | .03410 | -.[illegible].[illegible]22[illegible] | .14350 | .[illegible]3154 | .00140 | .[illegible]0490 | -.02[illegible]0 | .657[illegible] | .[illegible]3[illegible] |
| .2[illegible] | 2.[illegible]0[illegible] | .19210 | .[illegible]0359[illegible] | .[illegible].[illegible]4[illegible] | .19330 | .[illegible]2901 | .[illegible]0150 | .[illegible]0[illegible] | -.[illegible]1[illegible]0 | .6[illegible]1[illegible] | .[illegible]0[illegible]0 |
| .2[illegible] | 4.12[illegible] | .2873[illegible] | .[illegible]0417[illegible] | .[illegible]0[illegible]24[illegible] | .28950 | .[illegible]2[illegible]33 | .[illegible]0027[illegible] | .[illegible]0[illegible]40 | -.[illegible]3[illegible]0 | .644[illegible] | .[illegible]0[illegible]4[illegible] |
| .2[illegible] | 6.19[illegible] | .3864[illegible] | .[illegible]0512[illegible] | .[illegible]4[illegible]5[illegible] | .3[illegible]9[illegible]3[illegible] | .[illegible]3423 | .[illegible]0[illegible]260 | .[illegible]0[illegible]0[illegible] | -.[illegible]0[illegible] | .648[illegible] | .[illegible]0[illegible] |
| .2[illegible] | 8.25[illegible] | .4951[illegible] | .[illegible]6[illegible]54[illegible] | .[illegible]0[illegible]41 | .49[illegible]5[illegible] | .[illegible]632 | .[illegible]0[illegible]240 | .[illegible]0[illegible]1[illegible] | -.[illegible]1[illegible] | 64[illegible]0 | .[illegible]0[illegible]0 |
| .2[illegible] | 1[illegible].310 | .59[illegible]4[illegible] | .[illegible]0[illegible]4[illegible] | .[illegible]0[illegible]64[illegible] | .6[illegible]3[illegible]60 | -.02440 | .[illegible]0[illegible]260 | .[illegible]60 | -.[illegible]1[illegible]0 | 48[illegible]0 | .[illegible]0[illegible] |
| .2[illegible] | 12.37[illegible] | .7[illegible]0[illegible]4[illegible] | .[illegible]1[illegible]3[illegible]1[illegible] | .[illegible]5[illegible]2[illegible] | .71720 | -.04157 | .[illegible]0[illegible]240 | .[illegible]0[illegible]770 | -.[illegible]1[illegible]6[illegible] | .[illegible]4[illegible]900 | .[illegible]0[illegible]0 |
| .2[illegible] | 14.45[illegible] | .83130 | .[illegible]1[illegible]4[illegible]0 | -.[illegible]0[illegible]0[illegible]1[illegible] | .8[illegible]4[illegible]4[illegible]0 | -.[illegible]5311 | .[illegible]0[illegible]340 | .[illegible]0[illegible]610 | -.[illegible]1[illegible]6[illegible] | .652[illegible]0 | .[illegible]0[illegible]0 |
| .2[illegible] | 16.49[illegible] | .9377[illegible] | .[illegible]2[illegible]4[illegible]2[illegible] | -.[illegible].[illegible]1[illegible]76[illegible] | .96[illegible]2[illegible]5[illegible] | -.[illegible]5217 | .[illegible]0[illegible]6[illegible]2[illegible] | .[illegible]0[illegible]1[illegible]32[illegible] | -.[illegible]02[illegible] | .65[illegible]1[illegible] | .[illegible]0[illegible]0[illegible] |
| .2[illegible] | 18.55[illegible] | 1.0[illegible]4[illegible]2[illegible] | .[illegible]2[illegible]4[illegible]5[illegible] | -.[illegible]1[illegible]3[illegible]9[illegible]0 | 1.0[illegible]6[illegible]5[illegible]9[illegible] | -.[illegible]5[illegible]9[illegible]0[illegible]7 | .[illegible]1[illegible]3[illegible]0[illegible] | .[illegible]0[illegible]1[illegible]5[illegible] | -.[illegible]1[illegible]2[illegible] | .65[illegible]6[illegible] | .[illegible]0[illegible]4[illegible] |
| .2[illegible] | 2[illegible].[illegible]6[illegible]4[illegible] | 1.1473[illegible] | .3[illegible]6[illegible]7[illegible]3[illegible]0[illegible] | -.[illegible]1[illegible]2[illegible]6[illegible]4[illegible] | 1.[illegible]2[illegible]4[illegible]3[illegible]2[illegible]0[illegible] | -.[illegible]0[illegible]5[illegible]1[illegible]2[illegible]8[illegible] | .[illegible]1[illegible]4[illegible]5[illegible]5[illegible] | .[illegible]1[illegible]1[illegible]1[illegible] | -.[illegible]1[illegible]1[illegible]1[illegible] | .[illegible]5[illegible]8[illegible]0[illegible] | .[illegible]0[illegible]4[illegible] |
| .2[illegible] | 2[illegible].[illegible]6[illegible]5[illegible] | 1.221[illegible]6[illegible] | .4[illegible]5[illegible]8[illegible]4[illegible]0[illegible] | -.[illegible]0[illegible]1[illegible]0[illegible]5[illegible]7[illegible] | 1.[illegible]2[illegible]3[illegible]6[illegible]5[illegible]0[illegible] | -.[illegible]0[illegible]1[illegible]6[illegible]3[illegible]8[illegible] | .[illegible]0[illegible]2[illegible]6[illegible]0[illegible] | .[illegible]0[illegible]1[illegible]4[illegible]0[illegible] | -.[illegible]0[illegible]2[illegible]3[illegible]0[illegible] | .[illegible]5[illegible]6[illegible]1[illegible]0[illegible] | .[illegible]0[illegible]4[illegible] |
| .2[illegible] | 24.[illegible]7[illegible]0[illegible] | 1.[illegible]2[illegible]5[illegible]1[illegible]0[illegible] | .5[illegible]3[illegible]0[illegible]4[illegible] | -.[illegible]0[illegible]0[illegible]7[illegible]1[illegible] | 1.[illegible]3[illegible]4[illegible]6[illegible]7[illegible]0[illegible] | -.[illegible]0[illegible]7[illegible]6[illegible]5[illegible]2[illegible] | .[illegible]0[illegible]2[illegible]3[illegible]0[illegible] | .[illegible]0[illegible]1[illegible]1[illegible] | -.[illegible]0[illegible]2[illegible]3[illegible]0[illegible] | .[illegible]5[illegible]4[illegible]0[illegible]0[illegible] | . |
| .2[illegible] | 26.[illegible]7[illegible]1[illegible] | 1.[illegible]3[illegible]9[illegible]8[illegible]4[illegible] | .5[illegible]6[illegible]0[illegible]4[illegible] | -.[illegible].[illegible]3[illegible]4[illegible]3[illegible]0[illegible] | 1.[illegible]3[illegible]9[illegible]2[illegible]5[illegible]0[illegible] | -.[illegible]0[illegible]7[illegible]6[illegible]4[illegible]0[illegible] | .[illegible]0[illegible]3[illegible]2[illegible]1[illegible]0[illegible] | .[illegible]0[illegible]0[illegible]0[illegible] | -.[illegible]0[illegible]2[illegible]3[illegible]0[illegible] | .[illegible]5[illegible]2[illegible]0[illegible]0[illegible] | .[illegible]0[illegible]0[illegible] |
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